

afforded II.

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2001:676749 CAPLUS

DN 135:242140

TI Preparation of N-piperidinyl-N-alkyl-acetamides and N,N,N'-substituted ureas as 5-HT2A inverse agonists/antagonists

IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.

PA Acadia Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 150 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001066521	A1	20010913	WO 2001-US7187	20010306
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002004513	A1	20020110	US 2000-187289PP	20000306
EP 1263729	A1	20021211	US 2001-800096	20010306
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2000-187289PP 20000306 WO 2001-US7187 W 20010306				

OS MARPAT 135:242140

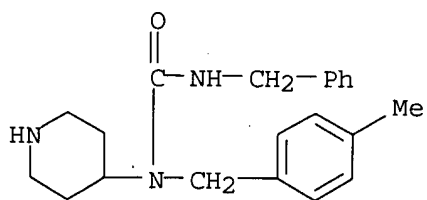
IT 359877-51-3P 359877-74-0P 359877-77-3P
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 359877-96-6P 359878-01-6P 359878-02-7P
 359878-03-8P 359878-04-9P 359878-05-0P
 359878-06-1P 359878-07-2P 359878-08-3P
 359878-09-4P 359878-14-1P 359878-31-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug; prepn. of N-piperidinyl-N-alkyl-aryl-acetamides and N,N,N'-substituted ureas as 5-HT2A inverse agonists)

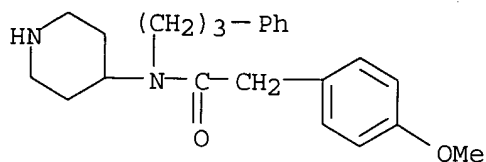
RN 359877-51-3 CAPLUS

CN Urea, N-[(4-methylphenyl)methyl]-N'-(phenylmethyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



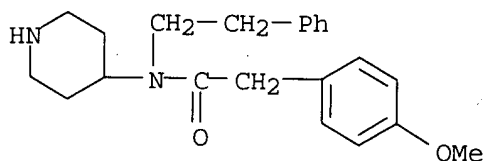
RN 359877-74-0 CAPLUS

CN Benzeneacetamide, 4-methoxy-N-(3-phenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



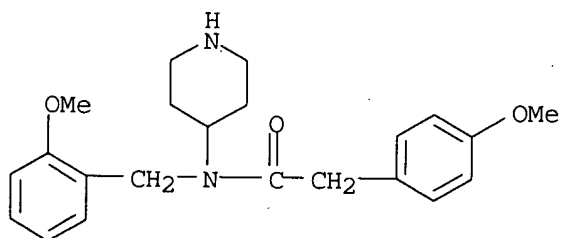
RN 359877-77-3 CAPLUS

CN Benzeneacetamide, 4-methoxy-N-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



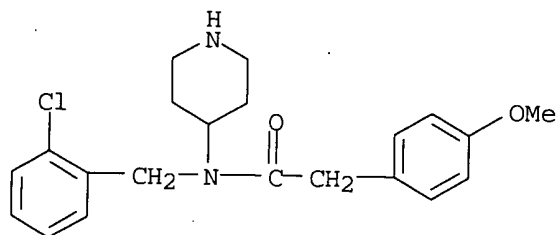
RN 359877-79-5 CAPLUS

CN Benzeneacetamide, N-[(2-methoxyphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



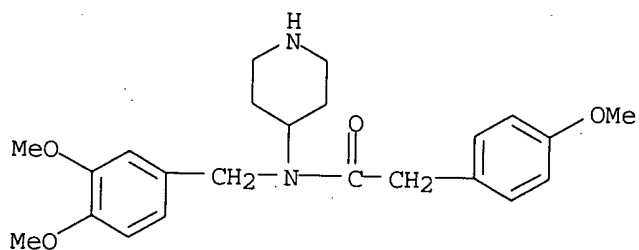
RN 359877-82-0 CAPLUS

CN Benzeneacetamide, N-[(2-chlorophenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



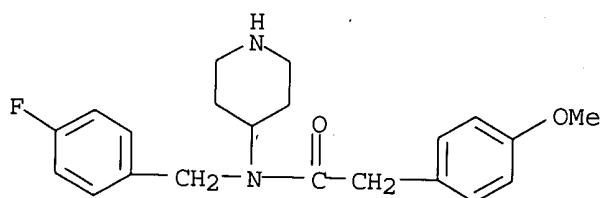
RN 359877-85-3 CAPLUS

CN Benzeneacetamide, N-[(3,4-dimethoxyphenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



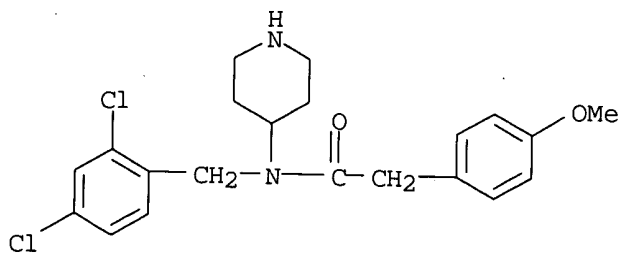
RN 359877-88-6 CAPLUS

CN Benzeneacetamide, N-[(4-fluorophenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 359877-90-0 CAPLUS

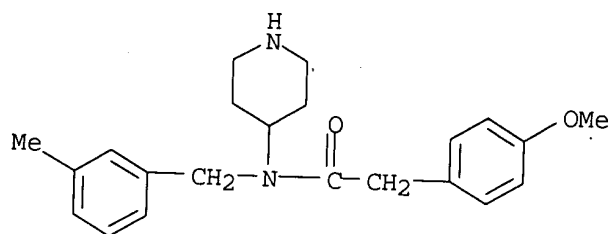
CN Benzeneacetamide, N-[(2,4-dichlorophenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 359877-93-3 CAPLUS

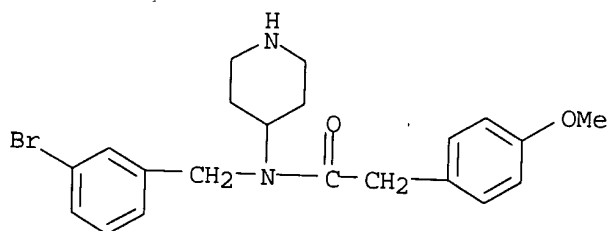
CN Benzeneacetamide, 4-methoxy-N-[(3-methylphenyl)methyl]-N-4-piperidinyl-

(9CI) (CA INDEX NAME)



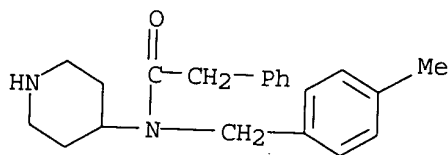
RN 359877-96-6 CAPLUS

CN Benzeneacetamide, N-[(3-bromophenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



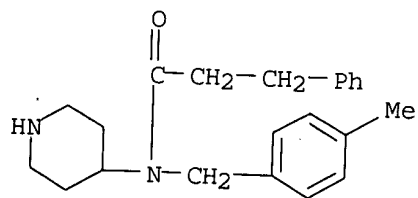
RN 359878-01-6 CAPLUS

CN Benzeneacetamide, N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



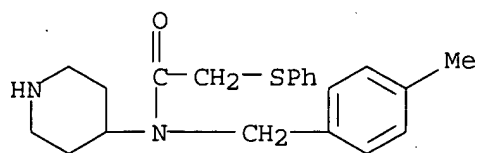
RN 359878-02-7 CAPLUS

CN Benzenepropanamide, N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



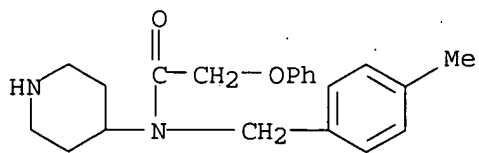
RN 359878-03-8 CAPLUS

CN Acetamide, N-[(4-methylphenyl)methyl]-2-(phenylthio)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



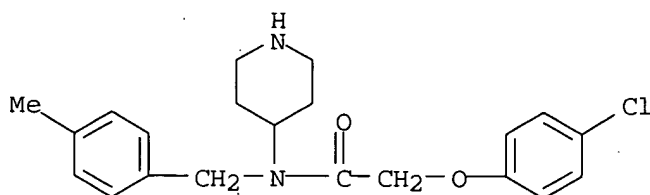
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CN Acetamide, N-[(4-methylphenyl)methyl]-2-phenoxy-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



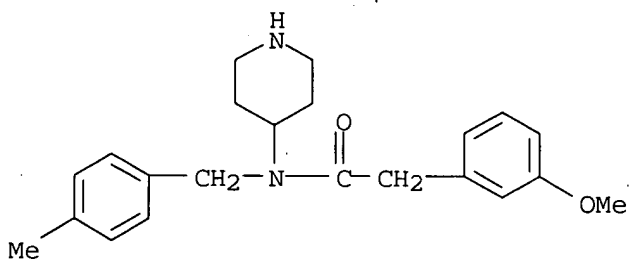
RN 359878-05-0 CAPLUS

CN Acetamide, 2-(4-chlorophenoxy)-N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



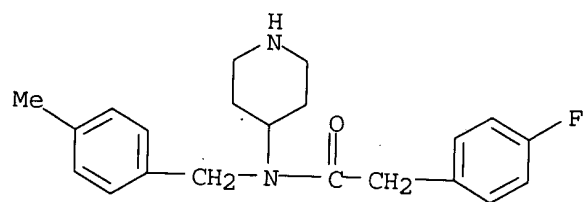
RN 359878-06-1 CAPLUS

CN Benzeneacetamide, 3-methoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

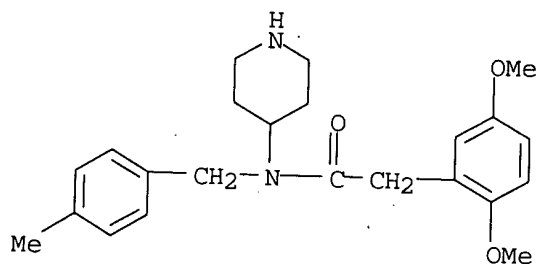


RN 359878-07-2 CAPLUS

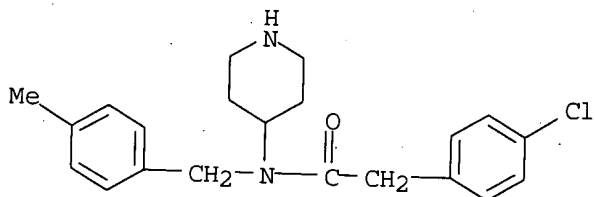
CN Benzeneacetamide, 4-fluoro-N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



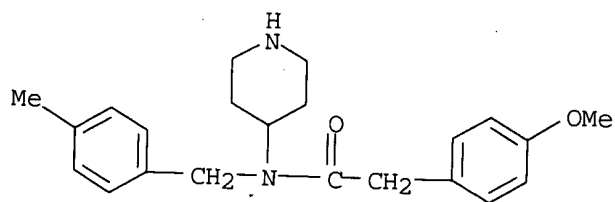
RN 359878-08-3 CAPLUS

CN Benzeneacetamide, 2,5-dimethoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
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RN 359878-09-4 CAPLUS

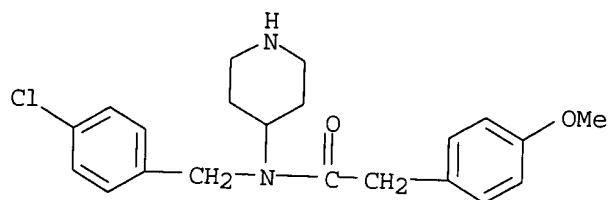
CN Benzeneacetamide, 4-chloro-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359878-14-1 CAPLUS

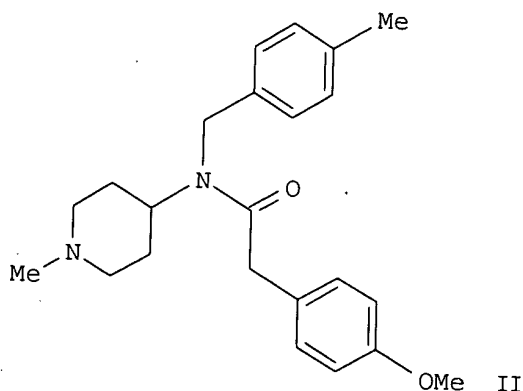
CN Benzeneacetamide, 4-methoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359878-31-2 CAPLUS

CN Benzeneacetamide, N-[(4-chlorophenyl)methyl]-4-methoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



GI



OMe II

AB Title compds. Ar1-Y2-Y1-N(Z)-C:W-X1-X2-Ar2 [Z = NR-substituted piperidinyl, tropanyl, azetidyl, etc.; R = H, cyclic/straight-chain acyclic organyl group, hydroxyalkyl, aminoalkyl, aralkyl or heteroaralkyl group; X1 = CH2, vinylene, NH or N-alkyl; X2 = CH2, or, when X1 = CH2 or vinylene, X2 = CH2 or a bond; or when X1 is CH2, X2 = O, S, NH, N(lower alkyl) or a bond; Y1 = CH2 and Y2 = CH2, vinylene, ethylene, propylene, bond; or Y1 = bond and Y2 = vinylene; or Y1 = ethylene and Y2 = O, S, NH, N(lower alkyl); Ar1 and Ar2 = (un)substituted (hetero)aryl provided that Ar1 and Ar2 are not simultaneously phenyl; W = O, S; I] were prepd. Examples include over 130 compds. synthesized, 5 serotonin receptor binding assays and 3 in-vivo models. For instance, 4-methylbenzylamine was reductively alkylated with 1-methyl-4-piperidone (MeOH, HOAc, NaCNBH3, 20 h., room temp.). The resulting amine was alkylated with 4-methoxyphenylacetyl chloride (DCM, 4 h., room temp.) to give II, isolated as the hydrochloride salt and subsequently purified by chromatog. Many of the examples had pIC50 (-log IC50) = 7.8 - 9.0 for HT2A. I are used for the treatment of disease in which modification of serotonergic receptor activity has a beneficial effect.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2001:453019 CAPLUS
DN 135:46106
TI 4-Aminopiperidine derivatives, processes for their preparation,
pharmaceutical compositions, and their use as medicines, specifically as
somatostatin receptor ligands
IN Thuriereau, Christophe; Gonzalez, Jerome; Moinet, Christophe
PA Societe de Conseils de Recherches et d'Applications Scientifiques

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39	May 16	CHEMREACT will be removed from STN
NEWS 40	May 19	Simultaneous left and right truncation added to WSCA

NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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=> FILE REGISTRY

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 12 JUN 2003 HIGHEST RN 530077-26-0
DICTIONARY FILE UPDATES: 12 JUN 2003 HIGHEST RN 530077-26-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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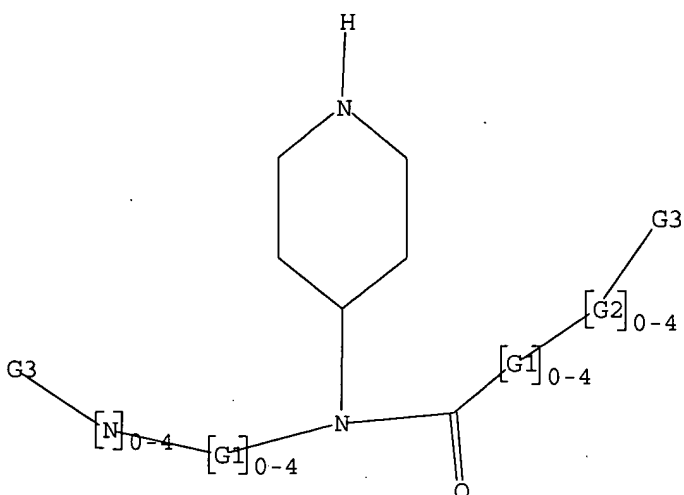
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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 N,CH2,CH,NH

G2 O,S,N,CH2

G3 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:19:02 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 14745 TO ITERATE

6.8% PROCESSED 1000 ITERATIONS

1 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 287636 TO 302164

PROJECTED ANSWERS: 64 TO 524

L2 1 SEA SSS SAM L1

Patel

<6/13/2003>

=> s 11 sss full

FULL SEARCH INITIATED 15:19:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 294324 TO ITERATE

100.0% PROCESSED 294324 ITERATIONS (5 INCOMPLETE) 414 ANSWERS
SEARCH TIME: 00.00.12

L3 414 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
148.15	148.36

FULL ESTIMATED COST

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FILE COVERS 1907 - 13 Jun 2003 VOL 138 ISS 25
FILE LAST UPDATED: 12 Jun 2003 (20030612/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 72 L3

=> s 14 and piperidine

L5 34 L4 AND PIPERIDINE

=> s 14 and piperidine and heterocycle

L6 1 L4 AND PIPERIDINE AND HETEROCYCLE

=> s 14 and piperidine and cycloalkyl

L7 7 L4 AND PIPERIDINE AND CYCLOALKYL

=> s 1

L8 1277780 L

=>

=> s 14 and piperidine and hydroxy alkyl

L9 0 L4 AND PIPERIDINE AND HYDROXY ALKYL

=> s 14 and piperidine and arylalkyl
 L10 1 L4 AND PIPERIDINE AND ARYLALKYL
 => s 14 and piperidine and aminoalkyl
 L11 1 L4 AND PIPERIDINE AND AMINOALKYL
 => s 14 and piperidine and heteroalkyl
 L12 1 L4 AND PIPERIDINE AND HETEROALKYL
 => d his

(FILE 'HOME' ENTERED AT 15:18:27 ON 13 JUN 2003)

FILE 'REGISTRY' ENTERED AT 15:18:43 ON 13 JUN 2003
 L1 STRUCTURE UPLOADED
 L2 1 S L1
 L3 414 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:19:32 ON 13 JUN 2003
 L4 72 S L3
 L5 34 S L4 AND PIPERIDINE
 L6 1 S L4 AND PIPERIDINE AND HETEROCYCLE
 L7 7 S L4 AND PIPERIDINE AND CYCLOALKYL
 L8 1277780 S L
 L9 0 S L4 AND PIPERIDINE AND HYDROXY ALKYL
 L10 1 S L4 AND PIPERIDINE AND ARYLALKYL
 L11 1 S L4 AND PIPERIDINE AND AMINOALKYL
 L12 1 S L4 AND PIPERIDINE AND HETEROALKYL

=> d 16 fbib

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:964347 CAPLUS
 DN 138:24638
 TI Preparation of thiophenecarboxylic acids and methods for the treatment or
 prevention of flaviviridae infections such as hepatitis C
 IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe;
 Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang,
 Wuyi; Yannopoulos, Constantin
 PA Shire Biochem Inc., Can.
 SO PCT Int. Appl., 314 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100851	A2	20021219	WO 2002-CA876	20020611
WO 2002100851	A3	20030227		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CQ, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,				

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 OS MARPAT 138:24638 US 2001-296731PP 20010611

=> d 110 f bib

'F' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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ABS ----- GI and AB
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 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
 DALL ----- ALL, delimited (end of each field identified)
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 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 PHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 PHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA

NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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ENTRY	SESSION
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DICTIONARY FILE UPDATES: 12 JUN 2003 HIGHEST RN 530077-26-0

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=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\09800096.str

L1 STRUCTURE UPLOADED

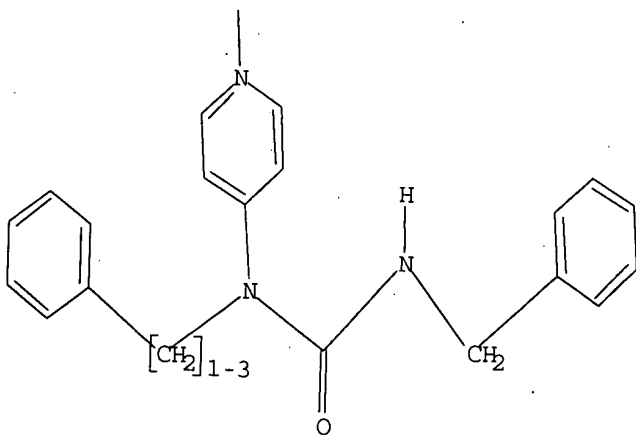
=> que L1

L2 QUERY CREATED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:15:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 35 TO ITERATE

100.0% PROCESSED 35 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 346 TO 1054
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 15:15:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 562 TO ITERATE

100.0% PROCESSED 562 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

L4 0 SEA SSS FUL L1

Patel.

<6/13/2003>

codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):bib

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 1995:648089 CAPLUS
 DN 123:55707
 TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives
 as photostabilizers
 IN Minafuji, Mitsumasa; Seko, Tosha; Sasaki, Satoru
 PA Mitsubishi Kagaku Kk, Japan
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07033738	A2	19950203	JP 1993-181691	19930722
PRAI	JP 1993-181691		19930722		
OS	MARPAT 123:55707				

=> d l11 f bib

'F' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB
 ALL ----- BIB, AB, IND, RE
 APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels

IMAx ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

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All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
 ENTER DISPLAY FORMAT (BIB):bib

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:676749 CAPLUS
 DN 135:242140
 TI Preparation of N-piperidinyl-N-alkyl-acetamides and N,N,N'-substituted
 ureas as 5-HT2A inverse agonists/antagonists
 IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.
 PA Acadia Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001066521	A1	20010913	WO 2001-US7187	20010306
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 2002004513 A1 20020110 US 2001-800096 20010306
 EP 1263729 A1 20021211 EP 2001-914716 20010306
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 PRAI US 2000-187289P P 20000306
 WO 2001-US7187 W 20010306
 OS MARPAT 135:242140
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 112 fbib

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:813938 CAPLUS
 DN 137:337907
 TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for
 treatment of inflammatory or immune conditions
 IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang,
 Alan Xi; Zhu, Liusheng; Marcus, Andrew P.
 PA Tularik Inc., USA
 SO PCT Int. Appl., 205 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002083143	A1	20021024	WO 2001-US47850	20011211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002169159	A1	20021114	US 2000-255241PP	20001211
			US 2001-296499PP	20010606
			US 2001-15532	20011211
			US 2000-255241PP	20001211
US 2003069234	A1	20030410	US 2001-296499PP	20010606
			US 2002-164690	20020606
US 2003055054	A1	20030320	US 2001-296499PP	20010606
			US 2002-231895	20020829
			US 2000-255241PP	20001211
			US 2001-296499PP	20010606
			US 2001-15532	A120011211

OS MARPAT 137:337907
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 15 fbib hit str abs total

'STR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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 APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
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 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

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 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
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 HITSTR ----- HIT RN, its text modification, its CA index name, and
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 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

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All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):bib

L5 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2003:202625 CAPLUS
 DN 138:238016
 TI Preparation of cyclic amine compounds as cell adhesion inhibitors
 IN Kodama, Tatsuhiko; Tamura, Masahiro; Oda, Toshiaki; Yamazaki, Yukiyo; Nishikawa, Masahiro; Takemura, Shunji; Doi, Takeshi; Kyotani, Yoshinori; Ohkuchi, Masao
 PA Kowa Co., Ltd., Japan
 SO PCT Int. Appl., 291 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003020703	A1	20030313	WO 2002-JP8650	20020828
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 6395753	B1	20020528	US 2001-941684	20010830
US 6498169	B1	20021224	US 2001-983928	20011026
PRAI US 2001-941684	A	20010830		
US 2001-983928	A	20011026		
US 2002-107180	A	20020328		
US 2002-191534	A	20020710		
OS MARPAT 138:238016				

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:964347 CAPLUS
 DN 138:24638
 TI Preparation of thiophenecarboxylic acids and methods for the treatment or prevention of flaviviridae infections such as hepatitis C
 IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe; Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang, Wuyi; Yannopoulos, Constantin
 PA Shire Biochem Inc., Can.
 SO PCT Int. Appl., 314 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI WO 2002100851 A2 20021219 WO 2002-CA876 20020611
WO 2002100851 A3 20030227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRAI US 2001-296731P P 20010611
OS MARPAT 138:24638

L5 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2002:813938 CAPLUS
DN 137:337907
TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for
treatment of inflammatory or immune conditions
IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang,
Alan Xi; Zhu, Liusheng; Marcus, Andrew P.
PA Tularik Inc., USA
SO PCT Int. Appl., 205 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002083143	A1	20021024	WO 2001-US47850	20011211
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PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,				
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,				
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002169159	A1	20021114	US 2001-15532	20011211
US 2003069234	A1	20030410	US 2002-164690	20020606
US 2003055054	A1	20030320	US 2002-231895	20020829
PRAI US 2000-255241P	P	20001211		
US 2001-296499P	P	20010606		
US 2001-15532	A1	20011211		
OS MARPAT 137:337907				

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2002:777922 CAPLUS
DN 137:279193
TI Preparation of imidazolylalkyl-aminopiperidines as HIV inhbitors
IN Edlin, Christopher David; Redshaw, Sally; Smith, Ian Edward David; Walter,
Daryl Simon
PA F. Hoffmann-La Roche A.-G., Switz.

SO PCT Int. Appl., 179 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002079186	A2	20021010	WO 2002-EP3193	20020321
	WO 2002079186	A3	20030501		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003069276	A1	20030410	US 2002-104117	20020322
PRAI	GB 2001-8099	A	20010330		
OS	MARPAT 137:279193				

L5 ANSWER 5 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2002:555463 CAPLUS

DN 137:125084

TI Preparation of substituted ureas as MCH antagonists useful in the treatment of obesity

IN McBriar, Mark D.; Palani, Anandan; Shapiro, Sherry A.; Xu, Ruo; Clader, John

PA Schering Corporation, USA

SO PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002057233	A1	20020725	WO 2001-US45242	20011129
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003022891	A1	20030130	US 2001-995949	20011128
PRAI	US 2000-250502P	P	20001201		
OS	MARPAT 137:125084				

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2002:240729 CAPLUS

DN 136:279344

TI Preparation of substituted amino-aza-cycloalkanes as anti-malarial agents
IN Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein,

Sylvia; Weller, Thomas
 PA Actelion Pharmaceuticals Ltd., Switz.
 SO PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002024649	A1	20020328	WO 2001-EP10272	20010906
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2001091830	A5	20020402	AU 2001-91830	20010906
	NO 2003001331	A	20030324	NO 2003-1331	20030324
PRAI	WO 2000-EP9328	W	20000925		
	WO 2001-EP10272	W	20010906		
OS	MARPAT 136:279344				

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:1491 CAPLUS
 DN 136:379466
 TI First dual NK1 antagonists-serotonin reuptake inhibitors: synthesis and SAR of a new class of potential antidepressants
 AU Ryckmans, Thomas; Balancon, Laurent; Berton, Olivier; Genicot, Christophe; Lamberty, Yves; Lallemand, Benedicte; Pasau, Patrick; Pirlot, Nathalie; Quere, Luc; Talaga, Patrice
 CS Chemical Research, R&D, UCB Pharma SA, Braine-l'Alleud, B-1420, Belg.
 SO Bioorganic & Medicinal Chemistry Letters (2002), 12(2), 261-264
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier Science Ltd.
 DT Journal
 LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:851116 CAPLUS
 DN 135:371644
 TI Pharmaceutically active **piperidine** derivatives, in particular as modulators of chemokine receptor activity
 IN Burrows, Jeremy; Cooper, Anne; Cumming, John; Mcinally, Thomas; Tucker, Howard
 PA Astrazeneca AB, Swed.
 SO PCT Int. Appl., 122 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001087839 A1 20011122 WO 2001-SE1053 20010514
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 BR 2001010767 A 20030211 BR 2001-10767 20010514
 EP 1289957 A1 20030312 EP 2001-932457 20010514
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 NO 2002005430 A 20021218 NO 2002-5430 20021113
 PRAI GB 2000-11838 A 20000517
 WO 2001-SE1053 W 20010514
 OS MARPAT 135:371644
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:676749 CAPLUS
 DN 135:242140
 TI Preparation of N-piperidinyl-N-alkyl-acetamides and N,N,N'-substituted
 ureas as 5-HT2A inverse agonists/antagonists
 IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.
 PA Acadia Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001066521	A1	20010913	WO 2001-US7187	20010306
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG US 2002004513 A1 20020110 US 2001-800096 20010306 EP 1263729 A1 20021211 EP 2001-914716 20010306 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR PRAI US 2000-187289P P 20000306 WO 2001-US7187 W 20010306 OS MARPAT 135:242140 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L5 ANSWER 10 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:453019 CAPLUS

DN 135:46106
TI 4-Aminopiperidine derivatives, processes for their preparation,
pharmaceutical compositions, and their use as medicines, specifically as
somatostatin receptor ligands
IN Thurieau, Christophe; Gonzalez, Jerome; Moinet, Christophe
PA Societe de Conseils de Recherches et d'Applications Scientifiques
(S.C.R.A.S.), Fr.
SO PCT Int. Appl., 193 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001044191	A1	20010621	WO 2000-FR3497	20001213
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2802206	A1	20010615	FR 1999-15724	19991214
EP 1286966	A1	20030305	EP 2000-993405	20001213
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003516965	T2	20030520	JP 2001-544681	20001213
PRAI FR 1999-15724	A	19991214		
WO 2000-FR3497	W	20001213		
OS MARPAT 135:46106				

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2000:840645 CAPLUS
DN 134:100742
TI Multistep solution-phase parallel synthesis of spiperone analogs
AU Hansen, Henrik C.; Olsson, Roger; Croston, Glenn; Andersson, Carl-Magnus
CS Synthetic Chemistry, ACADIA Pharmaceuticals A/S, Glostrup, DK-2600, Den.
SO Bioorganic & Medicinal Chemistry Letters (2000), 10(21), 2435-2439
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 134:100742
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1999:106962 CAPLUS
DN 130:197400
TI Piperidine compounds, intermediates for their preparation, and
their use as nonbleeding stabilizers for polymer materials
IN Okamoto, Kazunari; Samizo, Motohiko; Shimoide, Michio
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11035560	A2	19990209	JP 1997-199942	19970725
PRAI	JP 1997-199942		19970725		
OS	MARPAT 130:197400				

L5 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1996:379662 CAPLUS

DN 125:58510

TI Preparation of N-(piperidinoethyl)benzimidazolones and analogs as neurokinin receptor antagonists

IN De Nanteuil, Guillaume; Remond, Georges; Portevin, Bernard; Bonnet, Jacqueline; Canet, Emmanuel; Birrell, Graham

PA Adir Et Compagnie, Fr.

SO Eur. Pat. Appl., 24 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 708101	A1	19960424	EP 1995-402330	19951019
	EP 708101	B1	19981209		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	FR 2725986	A1	19960426	FR 1994-12580	19941021
	FR 2725986	B1	19961129		
	NO 9504151	A	19960422	NO 1995-4151	19951018
	CA 2160966	AA	19960422	CA 1995-2160966	19951019
	CA 2160966	C	20020226		
	AU 9534376	A1	19960502	AU 1995-34376	19951019
	AU 688120	B2	19980305		
	AT 174334	E	19981215	AT 1995-402330	19951019
	ES 2128013	T3	19990501	ES 1995-402330	19951019
	FI 9505024	A	19960422	FI 1995-5024	19951020
	CN 1128260	A	19960807	CN 1995-115976	19951020
	CN 1043639	B	19990616		
	JP 08225570	A2	19960903	JP 1995-272819	19951020
	JP 3004574	B2	20000131		
	US 5652246	A	19970729	US 1995-546263	19951020
	ZA 9508895	A	19960523	ZA 1995-8895	19951025
PRAI	FR 1994-12580	A	19941021		
OS	MARPAT 125:58510				

L5 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1995:648089 CAPLUS

DN 123:55707

TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers

IN Minafuji, Mitsumasa; Seko, Tosha; Sasaki, Satoru

PA Mitsubishi Kagaku Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07033738	A2	19950203	JP 1993-181691	19930722
PRAI	JP 1993-181691		19930722		
OS	MARPAT 123:55707				

L5 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:78583 CAPLUS
 DN 120:78583
 TI Tetramethylpiperidine derivatives for use as stabilizers for organic materials
 IN Borzatta, Valerio; Vignali, Graziano
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 45 pp.
 CODEN: EPXXDW
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 548015	A1	19930623	EP 1992-810967	19921208
	EP 548015	B1	19960103		
	R: BE, DE, ES, FR, GB, IT, NL				
	ES 2082434	T3	19960316	ES 1992-810967	19921208
	US 5310767	A	19940510	US 1992-988503	19921210
	CA 2085379	AA	19930618	CA 1992-2085379	19921215
	BR 9205032	A	19930622	BR 1992-5032	19921216
	JP 05255312	A2	19931005	JP 1992-355130	19921217
PRAI	IT 1991-MI3374		19911217		

L5 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:631278 CAPLUS
 DN 113:231278
 TI Synthesis and pharmacological evaluation of a series of new 1,4-disubstituted 3-methyl-piperidine analgesics
 AU Lalinde, Nhora; Moliterni, John; Wright, Denny; Spencer, H. Kenneth; Ossipov, Michael H.; Spaulding, Theodore C.; Rudo, Frieda G.
 CS BOC Tech. Cent., Anaquest Pharm., Murray Hill, NJ, 07974, USA
 SO Journal of Medicinal Chemistry (1990), 33(10), 2876-82
 CODEN: JMCMAR; ISSN: 0022-2623
 DT Journal
 LA English
 OS CASREACT 113:231278

L5 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:460650 CAPLUS
 DN 113:60650
 TI Substituted piperidines as stabilizers for organic materials
 IN Cantatore, Giuseppe; Vignali, Graziano
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 22 pp.
 CODEN: EPXXDW
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI EP 354184 A2 19900207 EP 1989-810574 19890726
 EP 354184 A3 19911009
 EP 354184 B1 19970226
 R: DE, FR, GB, IT
 CA 1337987 A1 19960123 CA 1989-607283 19890802
 JP 02104574 A2 19900417 JP 1989-202722 19890804
 JP 2849829 B2 19990127
 US 5306495 A 19940426 US 1992-846723 19920302
 PRAI IT 1988-21643 19880804
 US 1989-389159 19890802
 US 1990-607213 19901030
 US 1991-719089 19910620
 OS MARPAT 113:60650

L5 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1989:174443 CAPLUS
 DN 110:174443

TI **Piperidine** compounds for use as light stabilizers, heat
 stabilizers and oxidation stabilizers for organic materials
 IN Cantatore, Giuseppe; Borzatta, Valerio; Masina, Franca
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 25 pp.
 CODEN: EPXXDW

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 290393	A2	19881109	EP 1988-810278	19880502
	EP 290393	A3	19910731		
	EP 290393	B1	19950104		
	R: DE, FR, GB, IT				
	CA 1302408	A1	19920602	CA 1988-565969	19880505
	JP 63316769	A2	19881226	JP 1988-111378	19880507
	US 5026749	A	19910625	US 1990-523288	19900514
PRAI	IT 1987-20419		19870507		
	US 1988-187174		19880428		
	US 1989-393034		19890810		
OS	MARPAT 110:174443				

L5 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1987:638031 CAPLUS
 DN 107:238031

TI **Piperidine** compounds
 IN Cantatore, Guisepppe; Borzatto, Valerio
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 34 pp.
 CODEN: EPXXDW

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 232224	A2	19870812	EP 1987-810052	19870127
	EP 232224	A3	19890315		
	EP 232224	B1	19921125		
	R: BE, DE, FR, GB, IT				
	CA 1283909	A1	19910507	CA 1987-528334	19870128

US 4803234	A	19890207	US 1987-8220	19870129
JP 62215566	A2	19870922	JP 1987-20352	19870130
JP 2539613	B2	19961002		
US 4927925	A	19900522	US 1988-257365	19881013
US 5030729	A	19910709	US 1990-487347	19900301
PRAI IT 1986-19230		19860130		
US 1987-8220		19870129		
US 1988-257365		19881013		

L5 ANSWER 20 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1987:120862 CAPLUS
 DN 106:120862
 TI Hindered piperidinyl derivatives of tetrahydrofurancarboxylic acid as stabilizers
 IN Helwig, Reinhard; Neumann, Peter; Trauth, Hubert; Aumueeller, Alexander
 PA BASF A.-G. , Fed. Rep. Ger.
 SO Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3522678	A1	19870108	DE 1985-3522678	19850625
	US 4703072	A	19871027	US 1986-874864	19860616
	EP 207396	A1	19870107	EP 1986-108428	19860620
	EP 207396	B1	19890419		
	R: CH, DE, FR, GB, IT, LI				
	JP 62011770	A2	19870120	JP 1986-145020	19860623
PRAI	DE 1985-3522678		19850625		
OS	CASREACT 106:120862				

L5 ANSWER 21 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1986:110770 CAPLUS
 DN 104:110770
 TI Compounds containing **piperidine** rings and their use in the stabilization of synthetic polymers
 IN Cantatore, Giuseppe; Borzatta, Valerio
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 28 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 153907	A2	19850904	EP 1985-810074	19850222
	EP 153907	A3	19870513		
	EP 153907	B1	19921111		
	R: BE, DE, FR, GB, IT				
	CA 1236098	A1	19880503	CA 1985-475147	19850226
	US 4618634	A	19861021	US 1985-706301	19850227
	JP 60202860	A2	19851014	JP 1985-40274	19850228
	JP 05082384	B4	19931118		
PRAI	IT 1984-19830		19840228		

L5 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1985:167359 CAPLUS

DN 102:167359
 TI Polyaminamides containing polyalkylpiperidinyl residues
 IN Cantatore, Giuseppe
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 128861	A2	19841219	EP 1984-810211	19840503
	EP 128861	A3	19870902		
	EP 128861	B1	19901212		
	R: BE, DE, FR, GB, IT, NL				
	CA 1236097	A1	19880503	CA 1984-453685	19840507
	US 4578454	A	19860325	US 1984-608081	19840508
	JP 59210069	A2	19841128	JP 1984-92727	19840509
	JP 06029242	B4	19940420		
PRAI	IT 1983-21005		19830509		

L5 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1982:123934 CAPLUS
 DN 96:123934
 TI Amide derivatives of polyalkyl **piperidines** useful as stabilizers
 against light in organic materials
 IN Karrer, Friedrich; Moser, Paul
 PA Ciba-Geigy A.-G., Switz.
 SO Fr. Demande, 59 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2479216	A1	19811002	FR 1981-6159	19810327
	FR 2479216	B1	19840720		
	US 4348524	A	19820907	US 1981-244551	19810317
	GB 2074564	A	19811104	GB 1981-9166	19810324
	GB 2074564	B2	19840627		
	DE 3111739	A1	19820107	DE 1981-3111739	19810325
	DE 3111739	C2	19910606		
	CA 1160220	A1	19840110	CA 1981-373961	19810326
	JP 56152462	A2	19811126	JP 1981-46125	19810328
PRAI	CH 1980-2493		19800328		

L5 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1981:588148 CAPLUS
 DN 95:188148
 TI **Piperidine** derivatives as stabilizers for synthetic polymers
 IN Cantatore, Giuseppe
 PA Chimosa Chimica Organica S.p.A., Italy
 SO Eur. Pat. Appl., 37 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 31304	A1	19810701	EP 1980-810396	19801215
	EP 31304	B1	19840613		
	R: CH, DE, FR, GB, IT				
	US 4369321	A	19830118	US 1980-215925	19801212
	JP 56095169	A2	19810801	JP 1980-180320	19801219
	JP 02055424	B4	19901127		
	CA 1152065	A1	19830816	CA 1980-367159	19801219
	US 4501837	A	19850226	US 1982-413439	19820831
	US 4525503	A	19850625	US 1982-415919	19820908
PRAI	IT 1979-28324		19791221		
	US 1980-215925		19801212		

L5 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1980:532380 CAPLUS
 DN 93:132380
 TI N-Aryl-N-(4-piperidinyl)arylacetamides
 IN Hermans, Hubert K. F.; Sanczuk, Stefan
 PA Janssen Pharmaceutica N. V., Belg.
 SO U.S., 24 pp. Division of U. S. 4,126,689.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4197303	A	19800408	US 1978-924530	19780713
	ZA 7605684	A	19780426	ZA 1976-5684	19760922
	BE 846473	A2	19770323	BE 1976-170847	19760923
	US 4126689	A	19781121	US 1977-795669	19770511
	DK 8404534	A	19840921	DK 1984-4534	19840921
	DK 153474	B	19880718		
	DK 153474	C	19881205		
PRAI	US 1975-615131		19750923		
	US 1976-700351		19760628		
	US 1976-700352		19760628		
	US 1976-700635		19760628		
	US 1976-700636		19760628		
	US 1976-700637		19760628		
	US 1976-700638		19760628		
	US 1976-700694		19760628		
	US 1976-713756		19760812		
	US 1977-795669		19770511		
	DK 1976-4278		19760922		

L5 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:594174 CAPLUS
 DN 91:194174
 TI Compositions for stabilizing plastics against light
 IN Moser, Paul; Rody, Jean; Karrer, Friedrich
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 81 pp.
 CODEN: EPXXDW

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI EP 1840 A2 19790516 EP 1978-101303 19781103
 R: BE, CH, DE, FR, GB, NL, SE
 US 4256627 A 19810317 US 1978-956716 19781101
 JP 54095650 A2 19790728 JP 1978-137759 19781108
 PRAI CH 1977-13587 19771108

L5 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:121243 CAPLUS
 DN 90:121243
 TI N-Aryl-N-(1-alkyl-4-piperidinyl)arylacetamides
 IN Sanczuk, Stefan; Hermans, Hubert K. F.
 PA Janssen Pharmaceutica N. V., Belg.
 SO U.S., 24 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4126689	A	19781121	US 1977-795669	19770511
	ZA 7605684	A	19780426	ZA 1976-5684	19760922
	BE 846473	A2	19770323	BE 1976-170847	19760923
	US 4151286	A	19790424	US 1978-924490	19780713
	US 4157393	A	19790605	US 1978-924533	19780713
	US 4196210	A	19800401	US 1978-924484	19780713
	US 4197304	A	19800408	US 1978-924487	19780713
	US 4197303	A	19800408	US 1978-924530	19780713
	US 4198411	A	19800415	US 1978-924531	19780713
	US 4208418	A	19800617	US 1978-924535	19780713
	US 4225606	A	19800930	US 1978-924486	19780713
	DK 8404534	A	19840921	DK 1984-4534	19840921
	DK 153474	B	19880718		
	DK 153474	C	19881205		
PRAI	US 1975-615131		19750923		
	US 1976-700351		19760628		
	US 1976-700352		19760628		
	US 1976-700635		19760628		
	US 1976-700636		19760628		
	US 1976-700637		19760628		
	US 1976-700638		19760628		
	US 1976-700694		19760628		
	US 1976-713756		19760812		
	DK 1976-4278		19760922		
	US 1977-795669		19770511		

L5 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1977:453094 CAPLUS
 DN 87:53094
 TI N-Aryl-N-(4-piperidinyl)arylacetamides
 IN Sanczuk, Stefan; Hermans, Hubert K. F.
 PA Janssen Pharmaceutica N. V., Belg.
 SO Ger. Offen., 66 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2642856	A1	19770324	DE 1976-2642856	19760923
	DE 2642856	C2	19900621		
	NO 7603054	A	19770324	NO 1976-3054	19760906
	NO 147672	B	19830214		
	NO 147672	C	19830525		
	FR 2325377	A1	19770422	FR 1976-27870	19760916
	FR 2325377	B1	19800418		
	AU 7617878	A1	19780323	AU 1976-17878	19760917
	AU 510029	B2	19800605		
	CA 1068271	A1	19791218	CA 1976-261551	19760920
	RO 70079	P	19821026	RO 1976-87590	19760920
	JP 52039683	A2	19770328	JP 1976-112527	19760921
	JP 60016417	B4	19850425		
	GB 1539473	A	19790131	GB 1976-39099	19760921
	IL 50522	A1	19790930	IL 1976-50522	19760921
	CH 628623	A	19820315	CH 1976-11948	19760921
	FI 7602698	A	19770324	FI 1976-2698	19760922
	FI 61482	B	19820430		
	FI 61482	C	19820810		
	DK 7604278	A	19770324	DK 1976-4278	19760922
	DK 150478	B	19870309		
	DK 150478	C	19871005		
	SE 7610501	A	19770324	SE 1976-10501	19760922
	SE 427839	B	19830509		
	SE 427839	C	19830818		
	NL 7610513	A	19770325	NL 1976-10513	19760922
	NL 187267	B	19910301		
	NL 187267	C	19910801		
	ZA 7605684	A	19780426	ZA 1976-5684	19760922
	ES 451768	A1	19780501	ES 1976-451768	19760922
	HU 172964	P	19790128	HU 1976-JA767	19760922
	AT 7607029	A	19810215	AT 1976-7029	19760922
	AT 363935	B	19810910		
	PL 117323	B1	19810731	PL 1976-216213	19760922
	CS 222663	P	19830729	CS 1976-6139	19760922
	BE 846473	A2	19770323	BE 1976-170847	19760923
	SU 747424	D	19800723	SU 1976-2405548	19760923
	DK 8404534	A	19840921	DK 1984-4534	19840921
	DK 153474	B	19880718		
	DK 153474	C	19881205		
PRAI	US 1975-615131		19750923		
	US 1976-713756		19760812		
	DK 1976-4278		19760922		

L5 ANSWER 29 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1975:460490 CAPLUS
 DN 83:60490
 TI Stabilized polymer compositions
 IN Murayama, Keisuke; Morimura, Shoji; Matsui, Katsuaki; Kurumada, Tomoyuki;
 Ohta, Noriyuki; Watanabe, Ichiro
 PA Sankyo Co., Ltd.
 SO Ger. Offen., 61 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2349962	A1	19740418	DE 1973-2349962	19731004
	DE 2349962	B2	19760311		
	DE 2349962	C3	19761125		
	JP 49057046	A2	19740603	JP 1972-99599	19721004
	JP 55007861	B4	19800228		
	GB 1401924	A	19750806	GB 1973-45789	19731001
	CA 1022296	A1	19771206	CA 1973-182418	19731002
	CH 613714	A	19791015	CH 1973-14068	19731002
	NL 7313683	A	19740408	NL 1973-13683	19731004
	FR 2202128	A1	19740503	FR 1973-35463	19731004
PRAI	JP 1972-99599		19721004		

L5 ANSWER 30 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1969:413026 CAPLUS
DN 71:13026
TI Aroylalkoyl and hydroxyaralkyl derivatives of 4-(N-aryl-N-alkanamido)
piperidines
IN Janssen, Paul A. J.
PA N. V. Research Laboratorium Dr. C Janssen
SO Fr., 8 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 1517670		19680322		
PRAI	US		19611010		

L5 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1969:115015 CAPLUS
DN 70:115015
TI N-(1-Alkyl-4-piperidyl)-N-arylalkanoamides
PA N. V. Research Laboratorium Dr. C. Janssen
SO Fr., 8 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 1517671		19680322		
PRAI	US		19611010		

L5 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1965:90827 CAPLUS
DN 62:90827
OREF 62:16209b-g
TI Aroylalkyl and hydroxyarylalkyl derivatives of 4-(N-arylalkanamido)
piperidines and related compounds
IN Janssen, Paul A. J.
PA N. V. Research Laboratorium, Dr. C. Janssen
SO 5 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 3171838 19650302 US 19611010
GB 992732 GB

L5 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1965:82455 CAPLUS
DN 62:82455
OREF 62:14634e-h,14635a-d
TI N-(1-Aralkyl-4-piperidyl)alkanoic acid anilides
IN Janssen, Paul A. J.
PA N. V. Research Laboratorium, Dr. C. Janssen
SO 27 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR M2430		19640427	FR	
PRAI	US		19611010		

L5 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1964:418186 CAPLUS
DN 61:18186
OREF 61:3076d-h,3077a-e
TI 1-(.gamma.-Aroylpropyl)-4-(N-arylacylamino)piperidines
IN Janssen, Paul A. J.
PA N. V. Research Laboratorium, Dr. C. Janssen
SO 22 pp.
DT Patent
LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1344366		19631129	FR	
	BE 623427			BE	
	FR M2429			FR	
	FR M2431			FR	
	GB 976226			GB	
	US 3161637		1964	US	
	US 3164600		1965	US	
PRAI	US		19611010		

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L5 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2003:202625 CAPLUS
DN 138:238016
TI Preparation of cyclic amine compounds as cell adhesion inhibitors
IN Kodama, Tatsuhiko; Tamura, Masahiro; Oda, Toshiaki; Yamazaki, Yukiyo; Nishikawa, Masahiro; Takemura, Shunji; Doi, Takeshi; Kyotani, Yoshinori; Ohkuchi, Masao
PA Kowa Co., Ltd., Japan
SO PCT Int. Appl., 291 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI WO 2003020703 A1 20030313 WO 2002-JP8650 20020828
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

US 2001-941684 A 20010830
 US 2001-983928 A 20011026
 US 2002-107180 A 20020328
 US 2002-191534 A 20020710
 US 2001-941684 20010830
 US 2001-983928 20011026
 US 2001-941684 A220010830

PATENT FAMILY INFORMATION:

FAN 2002:403898

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6395753	B1	20020528	US 2001-941684	20010830
US 6498169	B1	20021224	US 2001-983928	20011026
			US 2001-941684 A220010830	

WO 2003020703 A1 20030313 WO 2002-JP8650 20020828
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

US 2001-941684 A 20010830
 US 2001-983928 A 20011026
 US 2002-107180 A 20020328
 US 2002-191534 A 20020710

FAN 2002:974250

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6498169	B1	20021224	US 2001-983928	20011026
US 6395753	B1	20020528	US 2001-941684 A220010830	
WO 2003020703	A1	20030313	US 2001-941684	20010830
			WO 2002-JP8650	20020828

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 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
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 UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

US 2001-941684 A 20010830

US 2001-983928 A 20011026

US 2002-107180 A 20020328

US 2002-191534 A 20020710

OS MARPAT 138:238016

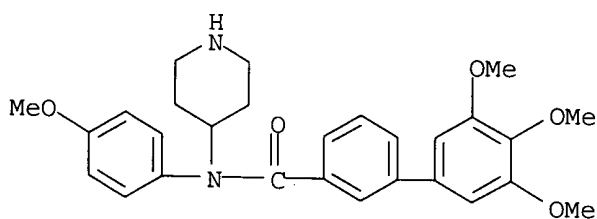
IT **501670-55-9P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(prepn. of cyclic amine compds. as cell adhesion inhibitors)

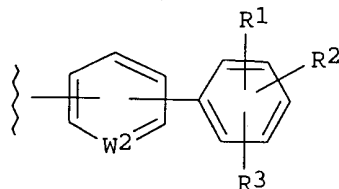
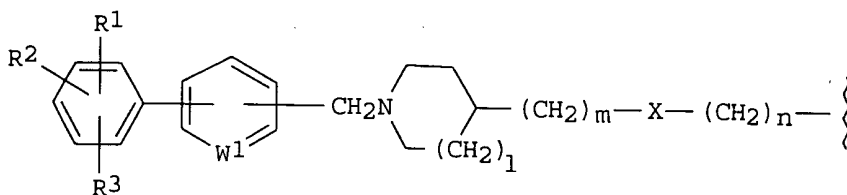
RN 501670-55-9 CAPLUS

CN [1,1'-Biphenyl]-3-carboxamide, 3',4',5'-trimethoxy-N-(4-methoxyphenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



I

AB The title compds. I [R1, R2, and R3 each independently represents hydrogen, alkoxy, etc.; W1 and W2 are the same or different and each represents nitrogen or CH; X represents oxygen, NR4, CONR4, or NR4CO; R4 represents hydrogen, alkyl, aryl, heteroaryl, aralkyl, heteroaralkyl, etc.; and l, m, and n each is 0 or 1] are prepd. I are useful as antiallergic, antirheumatic, antiasthmatic agents, etc. In an in vitro

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<6/13/2003>

test for cell adhesion inhibition, compds. of this invention showed IC50 values of 0.04 .mu.M to 0.3 .mu.M. Formulations are given.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2002:964347 CAPLUS

DN 138:24638

TI Preparation of thiophenecarboxylic acids and methods for the treatment or prevention of flaviviridae infections such as hepatitis C

IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe; Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang, Wuyi; Yannopoulos, Constantin

PA Shire Biochem Inc., Can.

SO PCT Int. Appl., 314 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

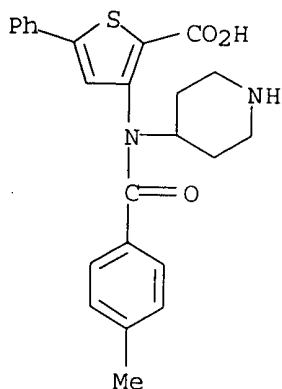
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100851	A2	20021219	WO 2002-CA876	20020611
WO 2002100851	A3	20030227		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
			US 2001-296731PP	20010611

OS MARPAT 138:24638

IT **478025-80-8P**, 3-[(4-Methylbenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

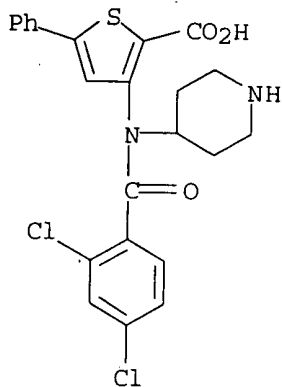
RN 478025-80-8 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(4-methylbenzoyl)-4-piperidinylaminol]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

IT **478025-82-0P**, 3-[(2,4-Dichlorobenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride **478027-54-2P**, 3-[(2,4-Dichlorobenzoyl)(3-methylpiperidin-4-yl)amino]-5-phenylthiophene-2-carboxylic acid mono(trifluoroacetate) **478027-89-3P**, 3-[(4-Methylcyclohexylcarbonyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)
 RN 478025-82-0 CAPLUS
 CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)-4-piperidinylamino]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

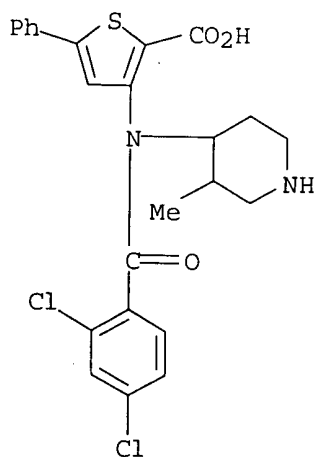
RN 478027-54-2 CAPLUS
 CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)(3-methyl-4-

piperidinyl)amino]-5-phenyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 478027-53-1

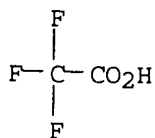
CMF C24 H22 Cl2 N2 O3 S



CM 2

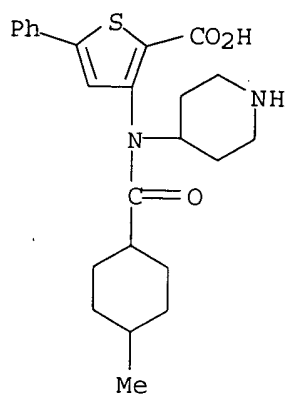
CRN 76-05-1

CMF C2 H F3 O2

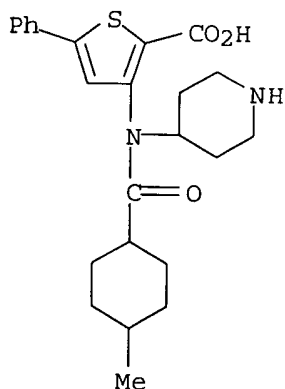


RN 478027-89-3 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[[[4-methylcyclohexyl)carbonyl]-4-piperidinylamino]-5-phenyl- (9CI) (CA INDEX NAME)

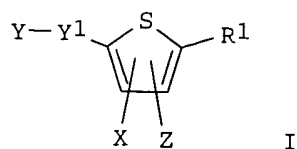


IT **478027-22-4P**, 3-[[4-Methylcyclohexylcarbonyl] (piperidin-4-yl)amino]-5-phenylthiophene-2-carboxylic acid lithium salt
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)
 RN 478027-22-4 CAPLUS
 CN 2-Thiophenecarboxylic acid, 3-[[[4-methylcyclohexyl]carbonyl]-4-piperidinylamino]-5-phenyl-, monolithium salt (9CI) (CA INDEX NAME)



● Li

GI



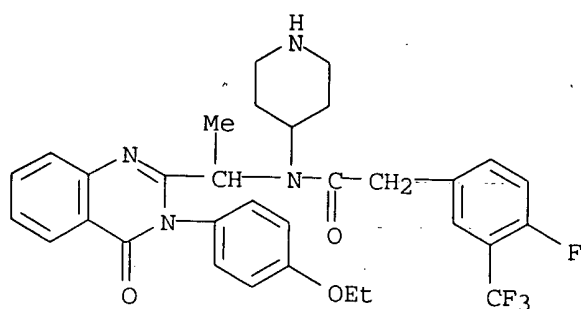
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<6/13/2003>

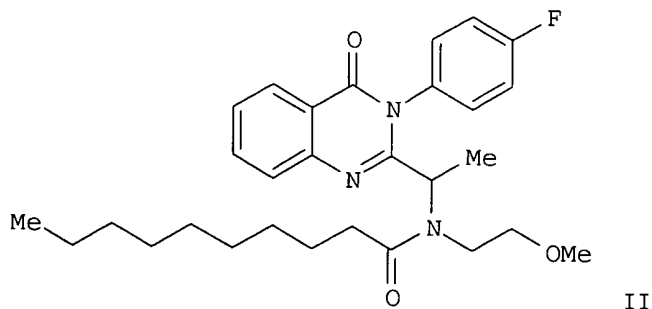
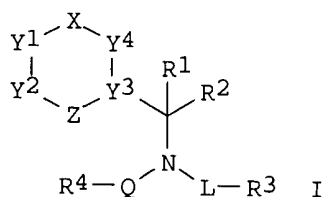
AB The present invention provides novel thiophenes (shown as I; variables defined below; e.g. 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid) or pharmaceutically acceptable salts thereof useful for treating flaviviridae viral infection. For I: X = -NR3MR2, -JNR2R3; M = -SO2-, -S(O)-, -S-, -C(O)-, -C(S)-, -C(O)NR4-, -C(S)NR15-, -CHR15-, -C(:NR8)-, a bond; R4 is C1-6 alkyl; R8 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-12 heteroaralkyl, C6-16 aralkyl; and R15 = H or C1-6 alkyl; J = -C(:W)-, -CHR6-, -S-, -S(O)-, -SO2-; W = O, S or NR7, wherein R7 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-12 heteroaralkyl, C6-16 aralkyl; and R6 = H, C1-12 alkyl, C6-14 aryl or C6-16 aralkyl. Y1 = a bond, C1-6 alkyl, C2-6 alkenyl or C2-6 alkynyl; Y = COOR16, COCOR5, P(O)ORaORb, S(O)OR5, S(O)2OR5, tetrazole, CON(R9)CH(R5)COOR5, CONR10R11, CON(R9)SO2R5, CONR9OH or halogen, wherein R9, R5, R10 and R11 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C3-12 heterocycle, C3-18 heteroaralkyl, C6-18 aralkyl; or R10 and R11 are taken together with the N to form a 3-10 membered heterocycle; Ra and Rb = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl and C6-18 aralkyl; or Ra and Rb are taken together with the oxygens to form a 5-10 membered heterocycle. R16 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl and C6-18 aralkyl; provided that R16 is other than Me or Et; R1 = C2-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl or C6-18 aralkyl; R2 = C2-12 alkyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl, or C6-18 aralkyl; R3 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl or C6-18 aralkyl; Z = H, halogen, C1-6 alkyl; with provisos. Twenty-five example preps. of I are included. For example, 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was prepd. by adding 1 N aq. soln. of LiOH.H2O (64.378 mmol) to a suspension of 3-amino-5-phenylthiophene-2-carboxylic acid Me ester (21.459 mmol) in a mixt. of THF:MeOH:H2O (3:2:1, 75 mL) and stirring at 85.degree. (external temp.) for 4 h. Solvents were removed under reduced pressure and the residue was partitioned between H2O and EtOAc. The H2O layer was sepd. and acidified with 1 N HCl soln. and then EtOAc was added to it. The formed intermediate 3-amino-5-phenylthiophene-2-carboxylic acid (4.15 g, 88%; 0.457 mmol) was taken in a mixt. of dioxane and H2O (1:1, 25 mL) and then Na carbonate (2.285 mmol) and 1-chlorophenylsulfonyl chloride (1.369 mmol) were added. The reaction mixt. was stirred at room temp. for 12 h and eventually 69% of 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was obtained. Results of evaluation of apprx.580 I in the hepatitis C virus (HCV) RNA-dependent RNA polymerase and/or anti-helicase assays are tabulated.

L5 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:813938 CAPLUS
 DN 137:337907
 TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for
 treatment of inflammatory or immune conditions
 IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang,
 Alan Xi; Zhu, Liusheng; Marcus, Andrew P.
 PA Tularik Inc., USA
 SO PCT Int. Appl., 205 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002083143	A1	20021024	WO 2001-US47850	20011211
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002169159	A1	20021114	US 2000-255241PP	20001211
				US 2001-296499PP	20010606
				US 2001-15532	20011211
				US 2000-255241PP	20001211
	US 2003069234	A1	20030410	US 2001-296499PP	20010606
				US 2002-164690	20020606
				US 2001-296499PP	20010606
	US 2003055054	A1	20030320	US 2002-231895	20020829
				US 2000-255241PP	20001211
				US 2001-296499PP	20010606
				US 2001-15532	A120011211
OS	MARPAT 137:337907				
IT	473907-65-2P, T 0913409				
	RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (CXCR3 antagonist; prepn. of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions)				
RN	473907-65-2 CAPLUS				
CN	Benzeneacetamide, N-[1-[3-(4-ethoxyphenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]ethyl]-4-fluoro-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)				



GI



AB Title compds. I [wherein X = a bond, CO, CR5R6, CR5:, SO, SO2, or N: ; Z = a bond, N:, O, S, NR17, or CR7: ; with the proviso that X and Z are not both a bond; L = CO-alkylene or (hetero)alkylene; Q = (hetero)alkylene, CO, OCO, NR8CO, CH2CO, CH2SO, or CH2SO2; or NLQ = heterocyclyl; R1 and R2 = independently H, (hetero)alkyl, or (hetero)aryl; or CR1R2 = (hetero)cyclyl; or CNR2L = heterocyclyl; R3 = OH, alkoxy, NH2, (di)alkylamino, heteroalkyl, heterocyclyl, acylaminoamidino, guanidino, ureido, CN, heteroaryl, carbamoyl, or carboxy; R4 = (hetero)alkyl, (hetero)aryl, etc.; R5 and R6 = independently H, (hetero)alkyl, or (hetero)aryl; or CR5R6 = a ring; R7 and R8 = independently H, (hetero)alkyl, or (hetero)aryl; Y1 and Y2 = independently CR12: N:, O, S, or NR13; Y3 = N or C, wherein C shares a double bond with either Z or Y4; Y4 = NR14, CR14:, N:, NR14CR15R16; R12 = H, halo, OH, NH2, (di)alkylamino, (hetero)alkyl, or (hetero)aryl, with provisos; R13 = H, (hetero)alkyl, (hetero)aryl, etc.; R14 = (hetero)alkyl, (hetero)aryl, etc.; R15 and R16 = independently H or (hetero)alkyl; R17 = H, (hetero)alkyl, (hetero)aryl, etc.; with provisos] were prepd. as chemokine receptor modulators, in particular CXCR3 antagonists. For example, anthranilic acid was acylated with propionyl chloride and the amide cyclized using acetic anhydride to give 2-ethylbenzo[d][1,3]oxazine-4-one. Treatment with 4-fluoroaniline, followed by ethylene glycol and NaOH afforded 2-ethyl-3-(4-fluorophenyl)-3H-quinazolin-4-one. Bromination and stepwise addn. of 1-amino-2-methoxyethane and decanoyl chloride produced the decanoic acid (quinazolinylethyl)(methoxyethyl)amide II. Approx. one third of the 101 invention compds. tested in a CXCR3 binding assay displayed activity with IC50 values of < 1 .mu.M. I are useful for the treatment of inflammatory and immunoregulatory disorders and diseases, such as multiple sclerosis, rheumatoid arthritis, and type I diabetes (no data).

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2002:777922 CAPLUS

DN 137:279193

TI Preparation of imidazolylalkyl-aminopiperidines as HIV inhbitors

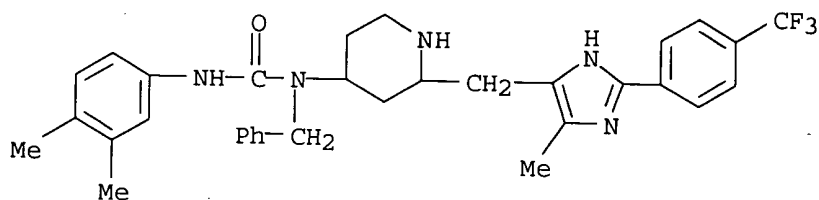
IN Edlin, Christopher David; Redshaw, Sally; Smith, Ian Edward David; Walter,

Patel

<6/13/2003>

Daryl Simon
 PA F. Hoffmann-La Roche A.-G., Switz.
 SO PCT Int. Appl., 179 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

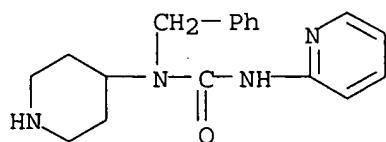
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002079186	A2	20021010	WO 2002-EP3193	20020321
	WO 2002079186	A3	20030501		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003069276	A1	20030410	GB 2001-8099	A 20010330
				US 2002-104117	20020322
				GB 2001-8099	A 20010330
OS	MARPAT 137:279193				
IT	466665-20-3P , 1-Benzyl-1-[2-[[2-[4-(trifluoromethyl)phenyl]-5-methyl-1H-imidazol-4-yl]methyl]-4-piperidinyl]-3-(3,4-dimethylphenyl)urea				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(HIV inhibitor; prepn. of imidazolylalkyl-aminopiperidines as HIV inhibitors)				
RN	466665-20-3 CAPLUS				
CN	Urea, N'-(3,4-dimethylphenyl)-N-[2-[[5-methyl-2-[4-(trifluoromethyl)phenyl]-1H-imidazol-4-yl]methyl]-4-piperidinyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)				



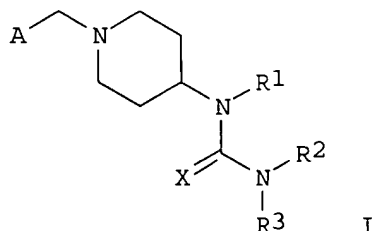
IT **466663-48-9P**, 1-Benzyl-1-piperidin-4-yl-3-pyridin-2-ylurea
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; prepn. of imidazolylalkyl-aminopiperidines as HIV inhibitors)

RN 466663-48-9 CAPLUS

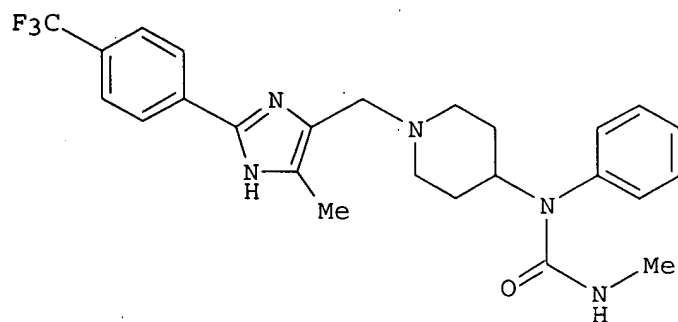
CN Urea, N-(phenylmethyl)-N-4-piperidinyl-N'-2-pyridinyl- (9CI) (CA INDEX NAME)



GI



I



II

AB Title compds. I [R1 = H, alkyl, cycloalkyl, allyl, aryl, heterocyclyl; R2-3 = H, alkyl, cycloalkyl, allyl, aryl, heterocyclyl; X = S, O; A = imidazolyl] were prepd. For instance, N-tert-butoxycarbonyl-4-piperidone was used to alkylate aniline (CH₂Cl₂, HOAc, NaHB(OAc)₃), the product converted to the corresponding carbamoyl chloride (CH₂Cl₂/PhMe, NaHCO₃, Cl₂CO) which was reacted with methylamine to give the urea intermediate. This was deprotected and the resulting **piperidine** alkylated with 5-methyl-2-(4-trifluoromethylphenyl)-1H-imidazole-4-carboxaldehyde (CH₂Cl₂, NaHB(OAc)₃) to afford II. In the gp120-sCD4-CCR5 binding assay, compds. of the invention had IC₅₀ of about 0.5 to about 1500 nM. Compds. I prevent the human immunodeficiency virus (HIV) from entering cells by blocking interaction of the viral envelope protein gp120 with a chemokine receptor on the cell surface. I are useful for the treatment of diseases mediated by the human immunodeficiency virus (HIV), either alone or in combination with other inhibitors of HIV viral replication or with pharmacoenhancers.

L5 ANSWER 5 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2002:555463 CAPLUS

DN 137:125084
 TI Preparation of substituted ureas as MCH antagonists useful in the treatment of obesity
 IN McBriar, Mark D.; Palani, Anandan; Shapiro, Sherry A.; Xu, Ruo; Clader, John
 PA Schering Corporation, USA
 SO PCT Int. Appl., 106 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002057233	A1	20020725	WO 2001-US45242	20011129
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003022891	A1	20030130	US 2000-250502PP	20001201
				US 2001-995949	20011128
				US 2000-250502PP	20001201

OS MARPAT 137:125084

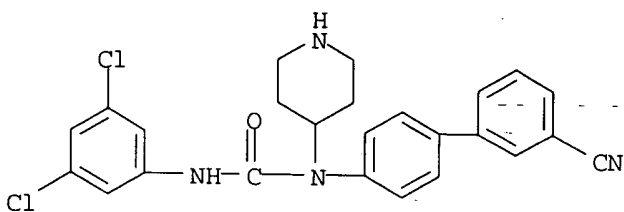
IT **443996-26-7P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

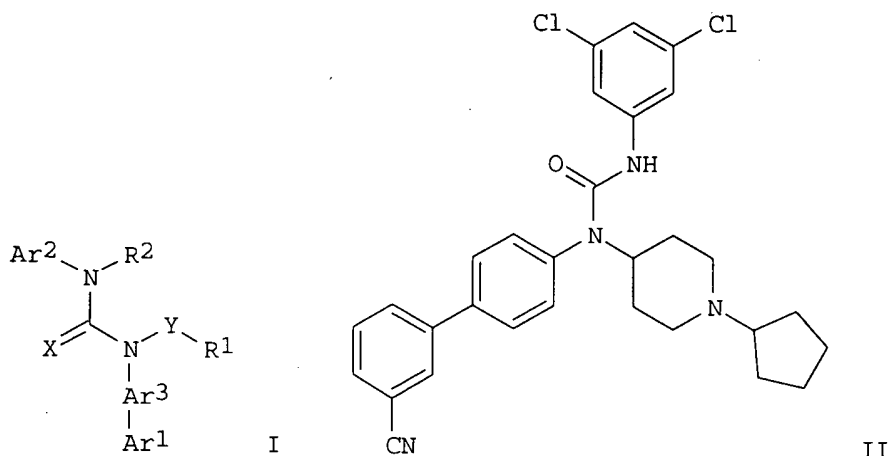
(prepn. of substituted ureas as MCH antagonists useful in the treatment of obesity)

RN 443996-26-7 CAPLUS

CN Urea, N-(3'-cyano[1,1'-biphenyl]-4-yl)-N'-(3,5-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



GI



AB The title compds. [I; Ar1 = (un)substituted (hetero)aryl; Ar2 = (un)substituted (hetero)aryl, aralkyl; or Ar1 and Ar2 together form (un)substituted fluorene, fluorenone with the proviso that Ar3 must be arylene; Ar3 = (un)substituted (hetero)arylene; X = O, S, N(CN); Y = a single bond, alkylene; R1 = thiazole, (hetero)aryl, etc.; R2 = H, alkyl], useful for the treatment of metabolic and eating disorders, such as hyperphagia, and for the treatment of diabetes, were prepd. E.g., a multi-step synthesis of the urea II, starting with 4-bromoaniline and N-Boc-piperidone, was given. For compds. I, a range MCH receptor binding activity (Ki values) of from about 0.5 nM to about 100 nM was obsd.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2002:240729 CAPLUS
DN 136:279344
TI Preparation of substituted amino-aza-cycloalkanes as anti-malarial agents
IN Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein, Sylvia; Weller, Thomas
PA Actelion Pharmaceuticals Ltd., Switz.
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002024649	A1	20020328	WO 2001-EP10272	20010906
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001091830	A5	20020402	WO 2000-EP9328 W	20000925
			AU 2001-91830	20010906

NO 2003001331 A 20030324

WO 2000-EP9328 A 20000925

WO 2001-EP10272W 20010906

NO 2003-1331 20030324

WO 2000-EP9328 A 20000925

WO 2001-EP10272W 20010906

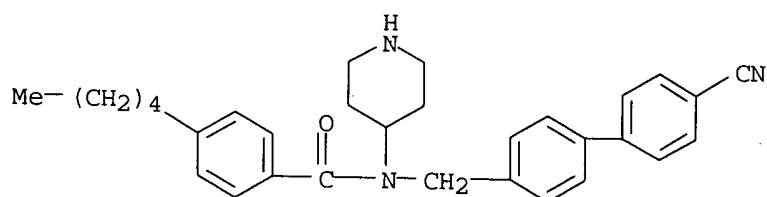
OS MARPAT 136:279344

IT 405514-84-3

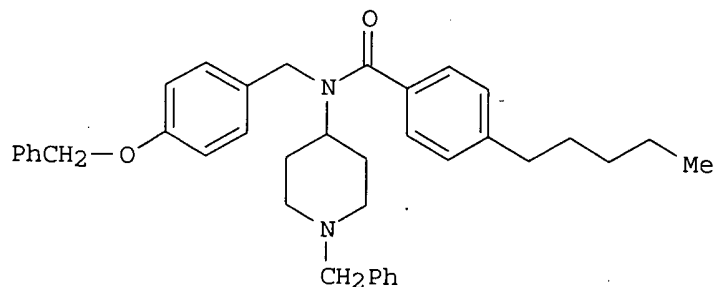
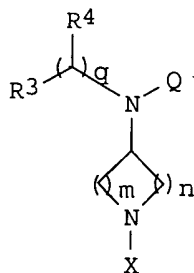
RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant; prepn. of substituted amino-aza-cycloalkanes as
 anti-malarial agents)

RN 405514-84-3 CAPLUS

CN Benzamide, N-[(4'-cyano[1,1'-biphenyl]-4-yl)methyl]-4-pentyl-N-4-
 piperidiny- (9CI) (CA INDEX NAME)



GI



II

AB Title compds. I [Q = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁,
 (CH₂)_pCHR₁R₂; X = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁,
 (CH₂)_pCHR₁R₂, H; R₁-3 = alk(en)yl, (hetero)aryl, cycloalkyl, heterocyclyl,

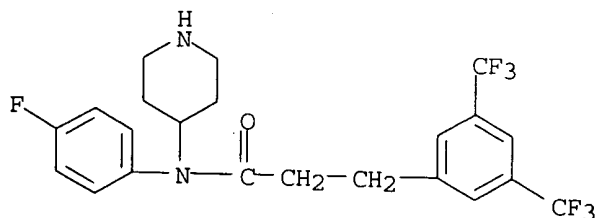
Patel

<6/13/2003>

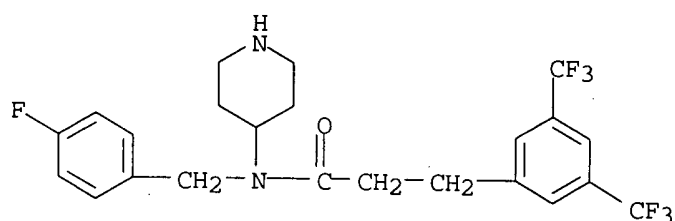
aryl-alkyl, heteroaryl-alkyl, cycloalkyl-alkyl, heterocyclyl-alkyl, etc.; R4 = H, CH2OR5, COOR5; R5 = H, (cyclo)alkyl, (hetero)aryl, heterocyclyl, cycloalkyl-alkyl, aryl-alkyl, etc.; q = 0-1, in case t=0, R4 is absent; m = 2-4; n = 1-2; p = 0-2] were prepd. Examples include characterization and bioassay data for over 100 compds. For instance, 1-benzyl-4-[(4-(benzyloxy)benzyl)amino]piperidine was acylated with 4-pentylbenzoyl chloride to give II. II had IC50 = 70 nM for plasmepsin II. I are useful as inhibitors of the plasmodium falciparum protease plasmepsin II or related aspartic proteases.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2002:1491 CAPLUS
DN 136:379466
TI First dual NK1 antagonists-serotonin reuptake inhibitors: synthesis and SAR of a new class of potential antidepressants
AU Ryckmans, Thomas; Balancon, Laurent; Berton, Olivier; Genicot, Christophe; Lamberty, Yves; Lallemand, Benedicte; Pasau, Patrick; Pirlot, Nathalie; Quere, Luc; Talaga, Patrice
CS Chemical Research, R&D, UCB Pharma SA, Braine-l'Alleud, B-1420, Belg.
SO Bioorganic & Medicinal Chemistry Letters (2002), 12(2), 261-264
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
IT 425382-95-2P 425382-96-3P 425382-97-4P
425382-98-5P 425383-02-4P 425383-03-5P
425383-04-6P 425383-05-7P 425383-06-8P
425383-07-9P 425383-08-0P 425383-09-1P
425383-10-4P 425383-11-5P 425383-12-6P
425383-13-7P 425383-14-8P 425383-15-9P
425383-16-0P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(dual NK1 antagonists-serotonin reuptake inhibitors: synthesis and SAR of potential antidepressants)
RN 425382-95-2 CAPLUS
CN Benzenepropanamide, N-(4-fluorophenyl)-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)

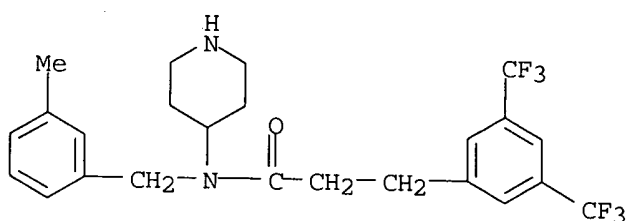


RN 425382-96-3 CAPLUS
CN Benzenepropanamide, N-[(4-fluorophenyl)methyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



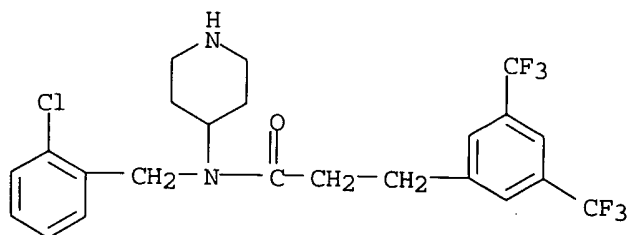
RN 425382-97-4 CAPLUS

CN Benzenepropanamide, N-[(3-methylphenyl)methyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



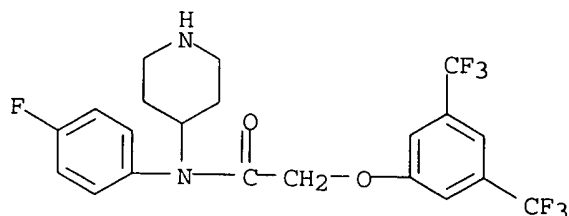
RN 425382-98-5 CAPLUS

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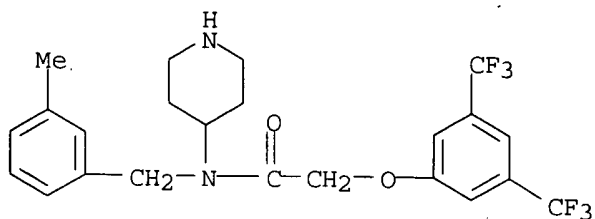
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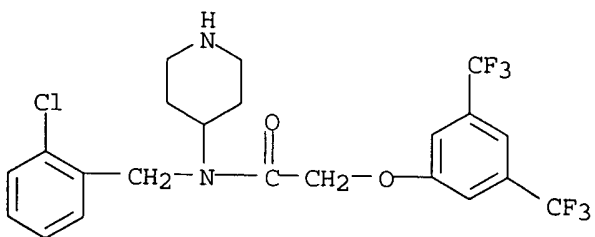
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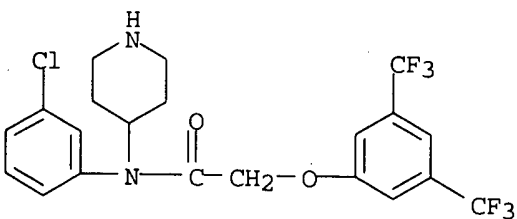
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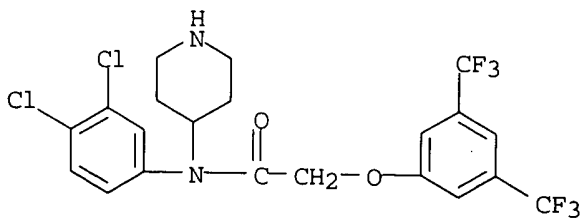
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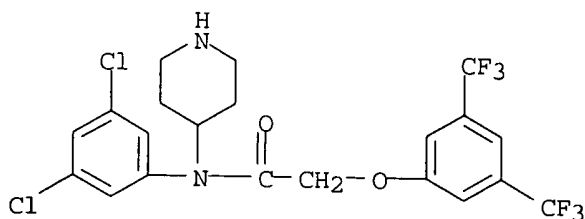
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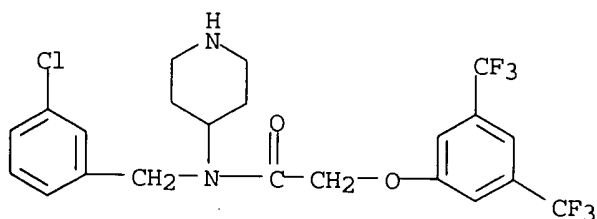
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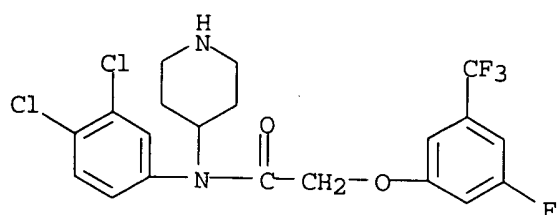
RN 425383-08-0 CAPLUS

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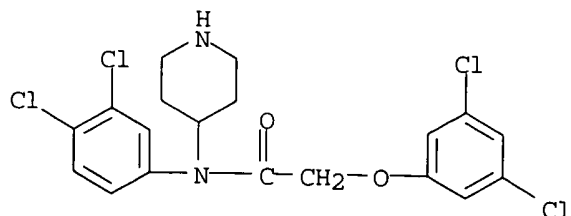
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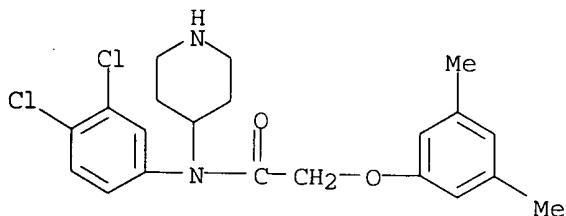


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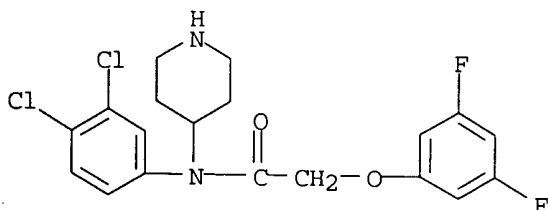
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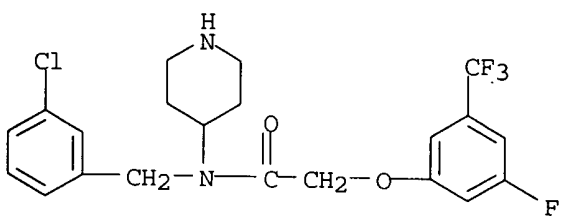
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 CN Acetamide, N-(3,4-dichlorophenyl)-2-(3,5-dimethylphenoxy)-N-4-piperidinyl-
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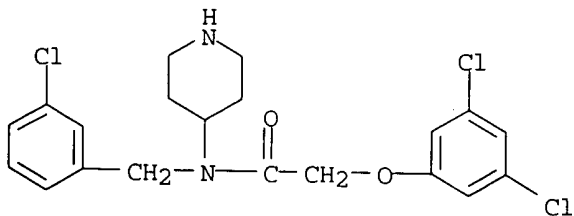
RN 425383-12-6 CAPLUS
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 (9CI) (CA INDEX NAME)



RN 425383-13-7 CAPLUS
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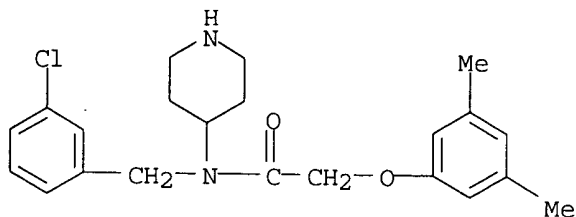


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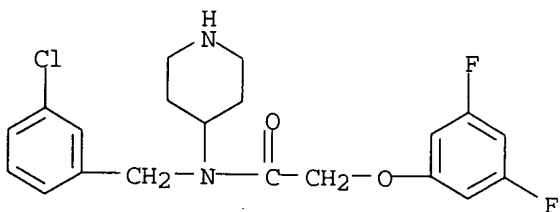
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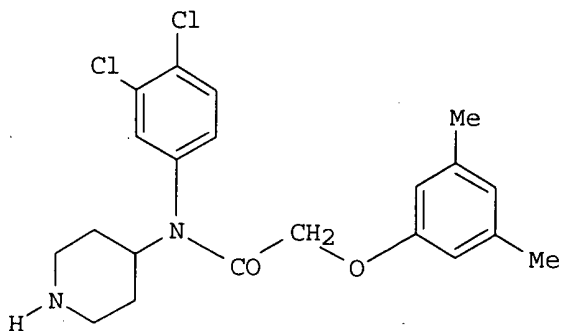


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CN Acetamide, N-[(3-chlorophenyl)methyl]-2-(3,5-difluorophenoxy)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



GI



I

AB Compds. combining NK1 antagonism and serotonin reuptake inhibition are described, and potentially represent a new generation of antidepressants. Compd. I displays good affinities for both the NK1 receptor and the serotonin reuptake site (32 and 25 nM, resp.).

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2003 ACS

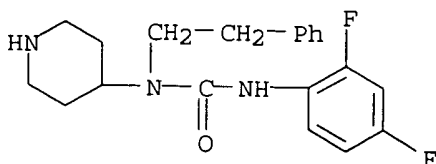
AN 2001:851116 CAPLUS

DN 135:371644

TI Pharmaceutically active **piperidine** derivatives, in particular as

modulators of chemokine receptor activity
 IN Burrows, Jeremy; Cooper, Anne; Cumming, John; Mcinally, Thomas; Tucker, Howard
 PA Astrazeneca AB, Swed.
 SO PCT Int. Appl., 122 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

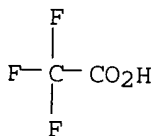
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EP	1289957	A1	20030312	EP 2001-932457	20010514
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				WO 2001-SE1053	W 20010514
NO	2002005430	A	20021218	NO 2002-5430	20021113
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				WO 2001-SE1053	W 20010514
OS	MARPAT 135:371644				
IT	374724-63-7P				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(pharmaceutically active piperidine derivs. as modulators of chemokine receptor activity)				
RN	374724-63-7	CAPLUS			
CN	Urea, N'-(2,4-difluorophenyl)-N-(2-phenylethyl)-N-4-piperidinyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)				
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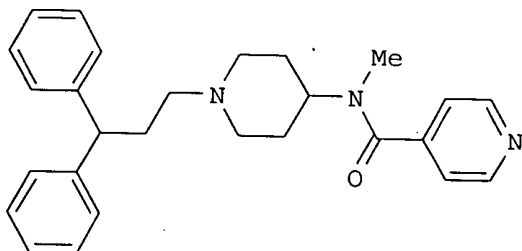
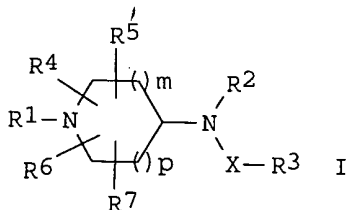
CM 2

CRN 76-05-1

CMF C2 H F3 O2



GI



II

AB The title compds., e.g., [I; R1 = (un)substituted C1-6 alkyl, C3-7 cycloalkyl, C3-8 alkenyl or C3-8 alkynyl; R2 = H, C1-8 alkyl, C3-8 alkenyl, C3-8 alkynyl, C3-7 cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl (C1-4)alkyl, heteroaryl (C1-4)alkyl, or heterocyclyl (C1-4)alkyl; R3 = C1-8 alkyl, C2-8 alkenyl, mono- or disubstituted amine, C2-8 alkynyl, C3-7 cycloalkyl, C3-7 cycloalkenyl, aryl, heteroaryl, heterocyclyl, aryl (C1-4)alkyl, heteroaryl (C1-4)alkyl, or heterocyclyl (C1-4)alkyl; R4, R5, R6 and R7 = independently H, (un)substituted C1-6 alkyl, (un)substituted S(O)₂NH₂ or two of R4, R5, R6 and R7 can join to form, together with the ring to which they are attached, a bicyclic ring system or two of R4, R5, R6 and R7 can form an endocyclic bond; X = C(O), S(O)₂, C(O)C(O), a direct bond or (un)substituted C(O)C(O)N; m and p = independently 0, 1 or 2; or a pharmaceutically acceptable salt or solvate thereof], compns. comprising them, processes for prepg. then and their use in modulating CCR5 receptor activity (no data). Thus, reacting isonicotinic acid with 4-methylamino-1-(3,3-diphenylpropyl)piperidine hydrochloride (prepn. given) in the presence of diisopropylethylamine in NMP followed by a soln. of bromo-tris-pyrrolidinophosphonium hexafluorophosphate in NMP

(S.C.R.A.S.), Fr.
 SO PCT Int. Appl., 193 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001044191	A1	20010621	WO 2000-FR3497	20001213
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OS MARPAT 135:46106

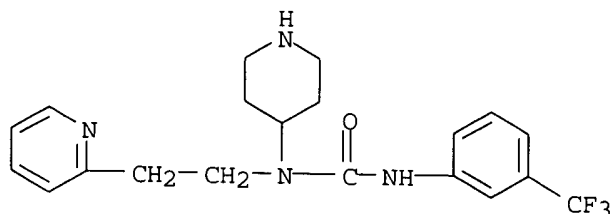
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RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; prepn. of aminopiperidine derivs. as somatostatin receptor ligands)

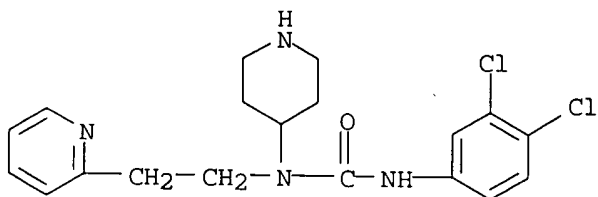
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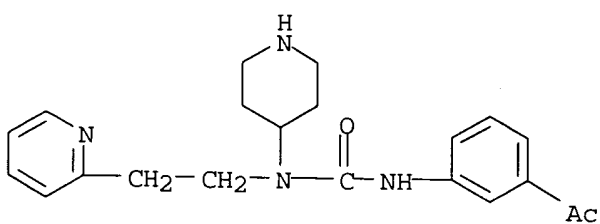


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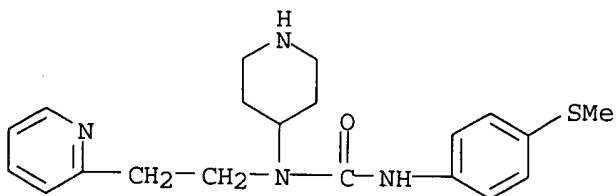
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RN 344783-95-5 CAPLUS

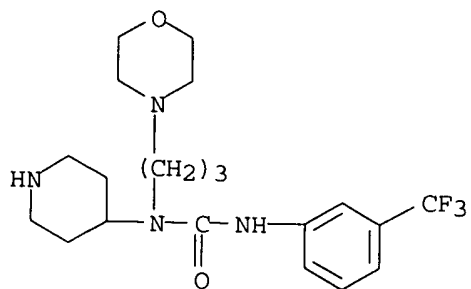
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(CA INDEX NAME)

RN 344783-97-7 CAPLUS

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RN 344784-00-5 CAPLUS

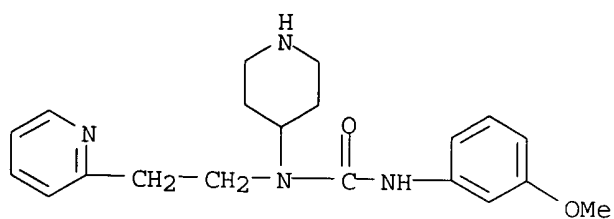
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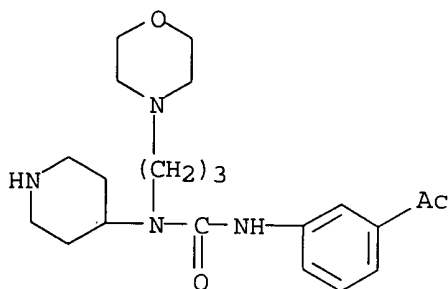
RN 344784-01-6 CAPLUS

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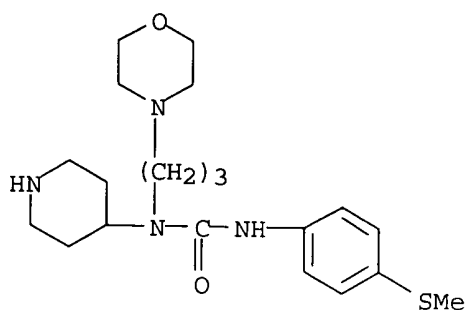
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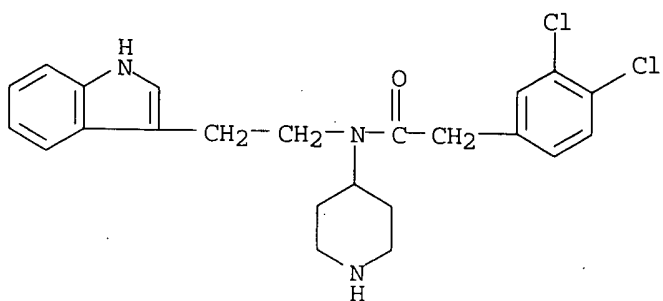
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RN 344784-03-8 CAPLUS

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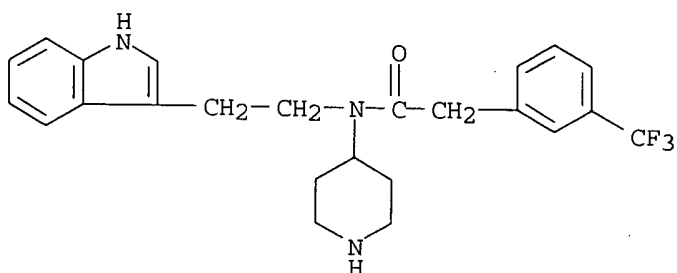
RN 344785-45-1 CAPLUS

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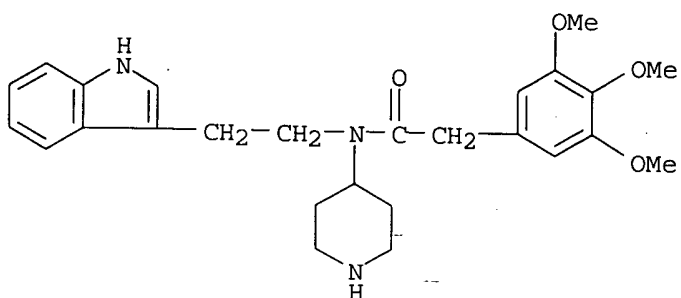
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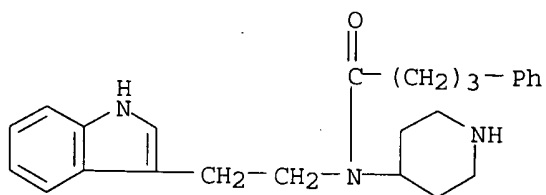
RN 344785-47-3 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



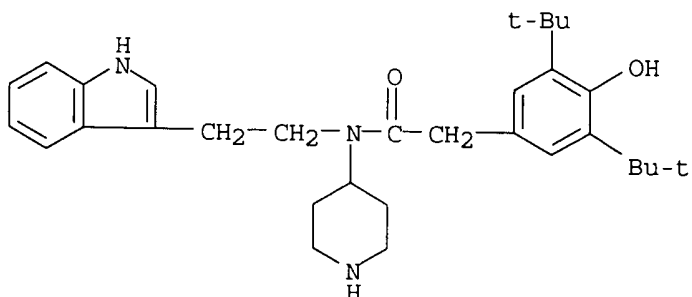
RN 344785-48-4 CAPLUS

CN Benzenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-49-5 CAPLUS

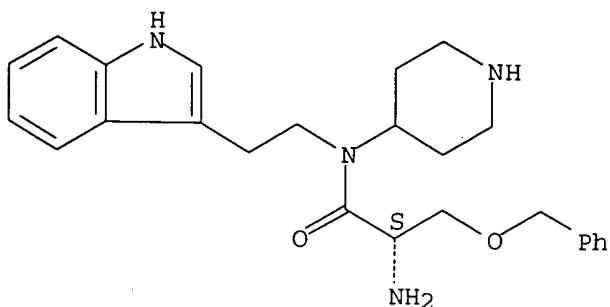
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-50-8 CAPLUS

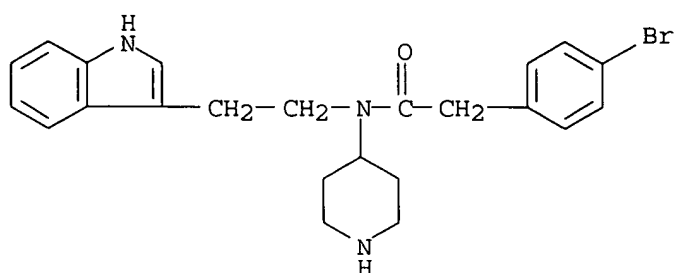
CN Propanamide, 2-amino-N-[2-(1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



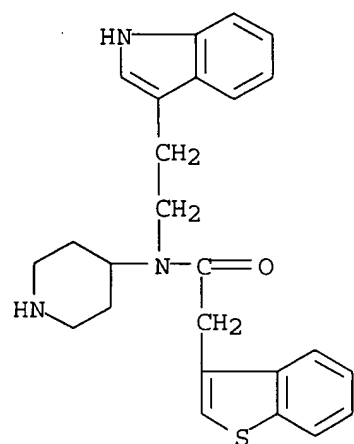
RN 344785-51-9 CAPLUS

CN Benzeneacetamide, 4-bromo-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



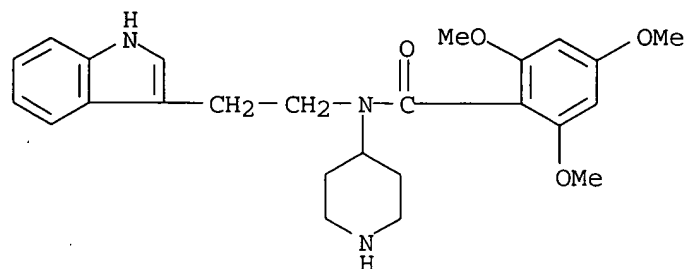
RN 344785-52-0 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



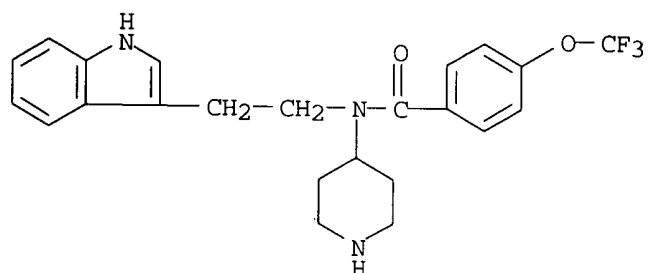
RN 344785-55-3 CAPLUS

CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

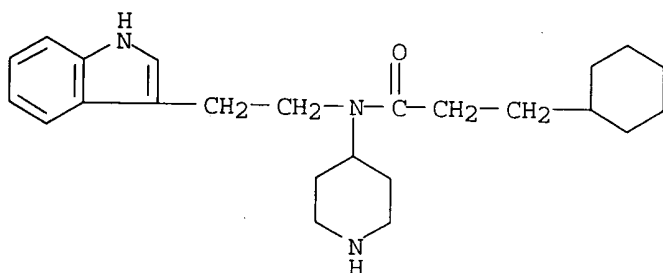


RN 344785-56-4 CAPLUS

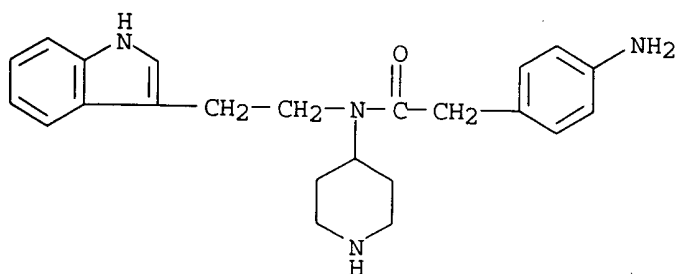
CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)-
(9CI) (CA INDEX NAME)



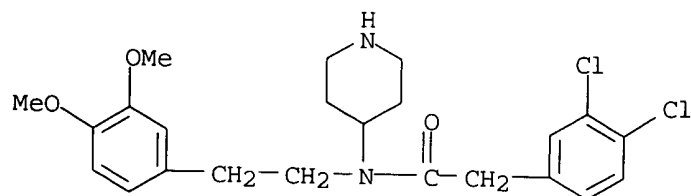
RN 344785-57-5 CAPLUS
 CN Cyclohexanepropanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyloctanamide (9CI)
 (CA INDEX NAME)

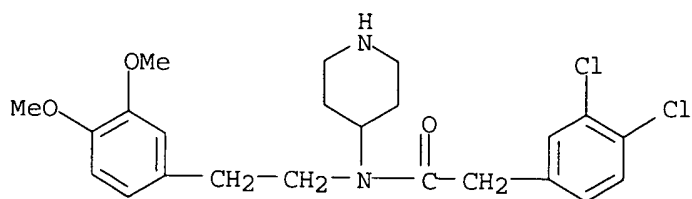


RN 344785-58-6 CAPLUS
 CN Benzeneacetamide, 4-amino-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyloctanamide (9CI)
 (CA INDEX NAME)



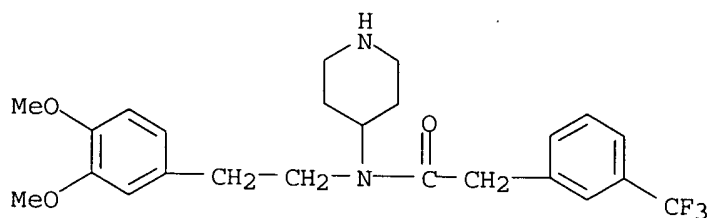
RN 344785-59-7 CAPLUS
 CN Benzeneacetamide, 3,4-dichloro-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyloctanamide (9CI)
 (CA INDEX NAME)





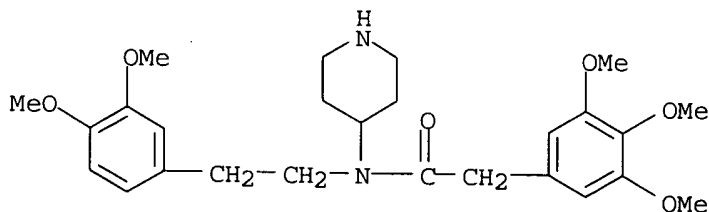
RN 344785-60-0 CAPLUS

CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



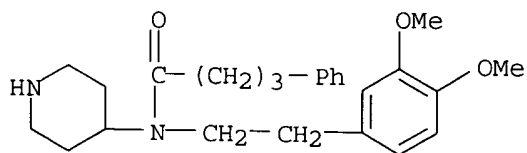
RN 344785-61-1 CAPLUS

CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



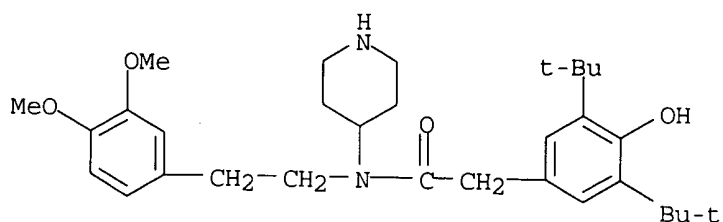
RN 344785-62-2 CAPLUS

CN Benzenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-63-3 CAPLUS

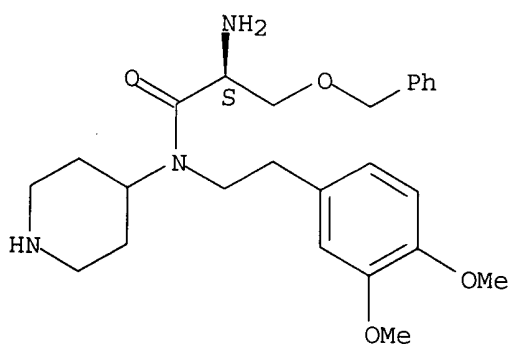
CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-64-4 CAPLUS

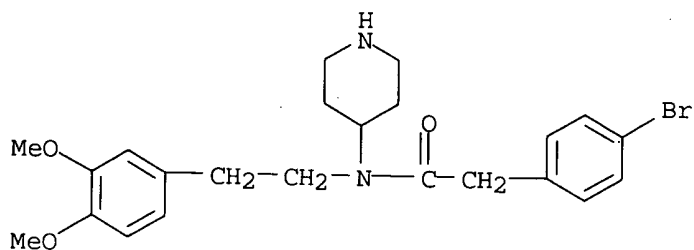
CN Propanamide, 2-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344785-65-5 CAPLUS

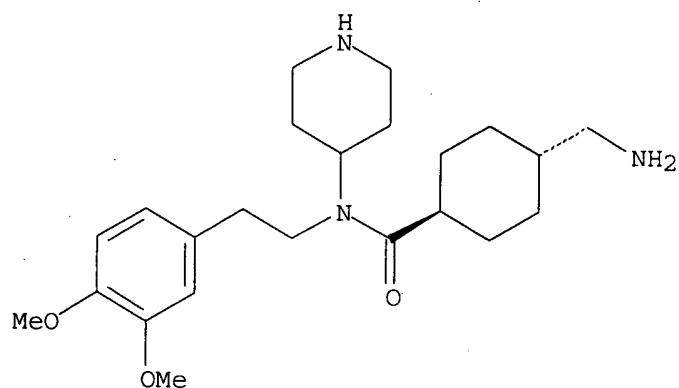
CN Benzeneacetamide, 4-bromo-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-, (9CI) (CA INDEX NAME)



RN 344785-66-6 CAPLUS

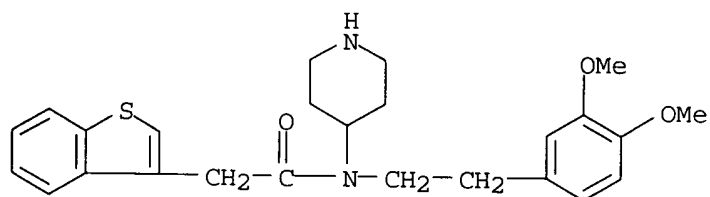
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



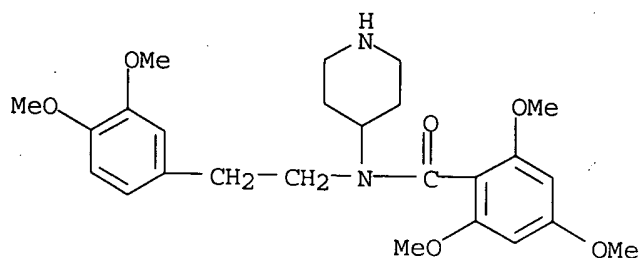
RN 344785-67-7 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



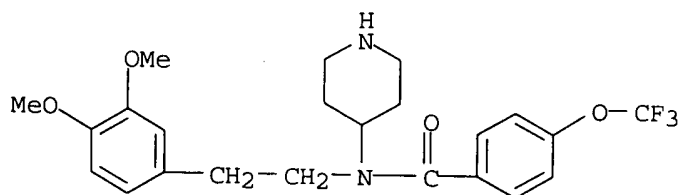
RN 344785-70-2 CAPLUS

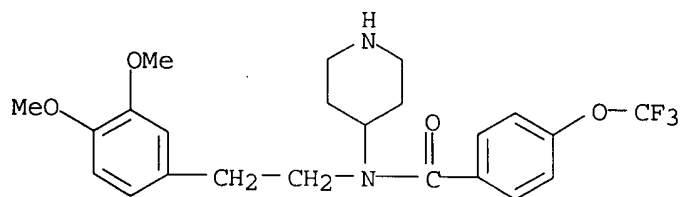
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



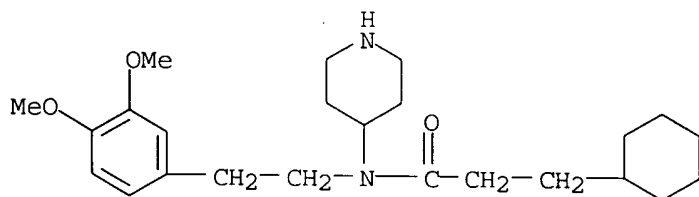
RN 344785-71-3 CAPLUS

CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

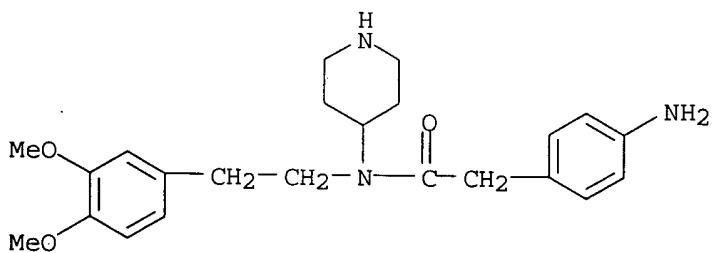




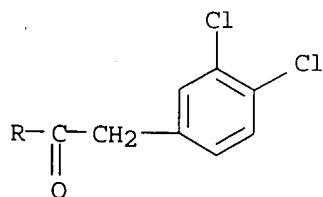
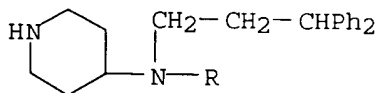
RN 344785-72-4 CAPLUS

CN Cyclohexanepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344785-73-5 CAPLUS

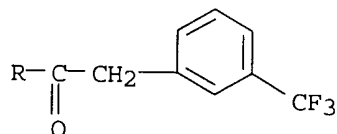
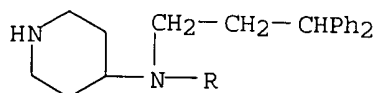
CN Benzeneacetamide, 4-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344785-74-6 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-(3,3-diphenylpropyl)-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

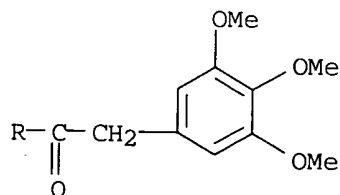
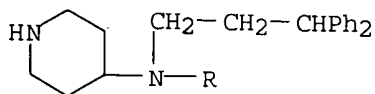
RN 344785-75-7 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidiny-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



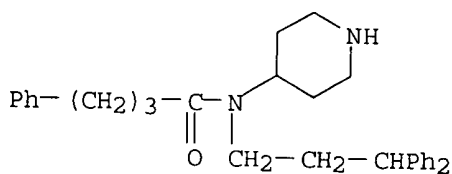
RN 344785-76-8 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-3,4,5-trimethoxy-N-4-piperidiny- (9CI) (CA INDEX NAME)



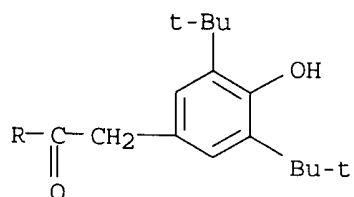
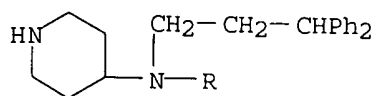
RN 344785-77-9 CAPLUS

CN Benzenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)



RN 344785-78-0 CAPLUS

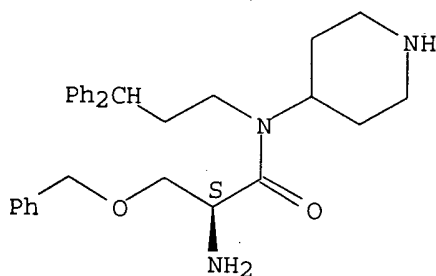
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-N-(3,3-diphenylpropyl)-4-hydroxy-N-4-piperidiny- (9CI) (CA INDEX NAME)



RN 344785-79-1 CAPLUS

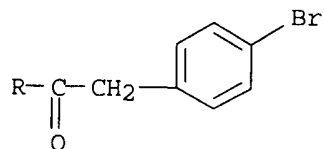
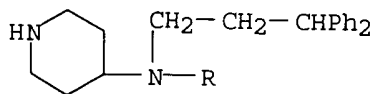
CN Propanamide, 2-amino-N-(3,3-diphenylpropyl)-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



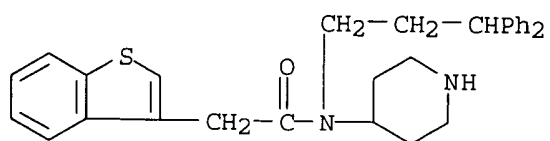
RN 344785-81-5 CAPLUS

CN Benzeneacetamide, 4-bromo-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



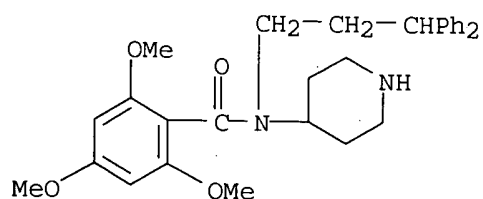
RN 344785-82-6 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



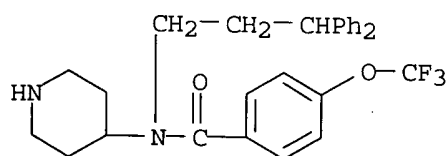
RN 344785-85-9 CAPLUS

CN Benzamide, N-(3,3-diphenylpropyl)-2,4,6-trimethoxy-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



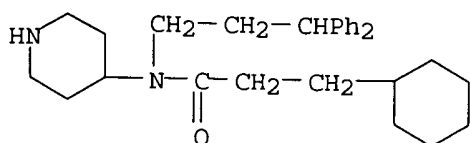
RN 344785-86-0 CAPLUS

CN Benzamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



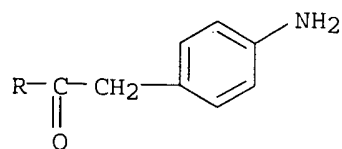
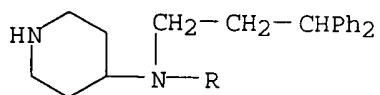
RN 344785-87-1 CAPLUS

CN Cyclohexanepropanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



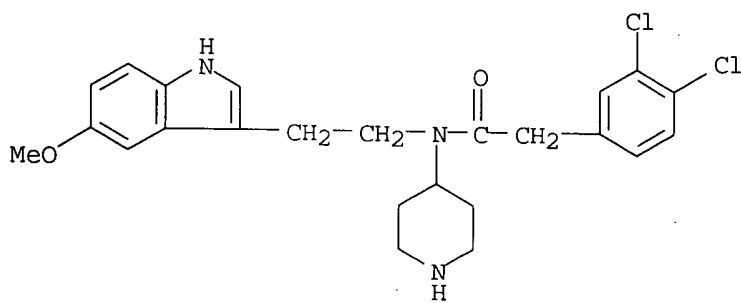
RN 344785-88-2 CAPLUS

CN Benzeneacetamide, 4-amino-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



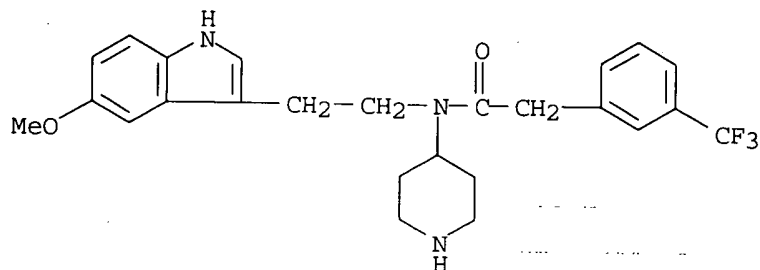
RN 344785-89-3 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



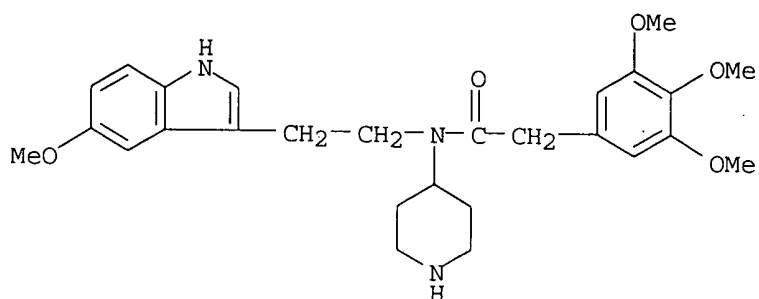
RN 344785-90-6 CAPLUS

CN Benzeneacetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



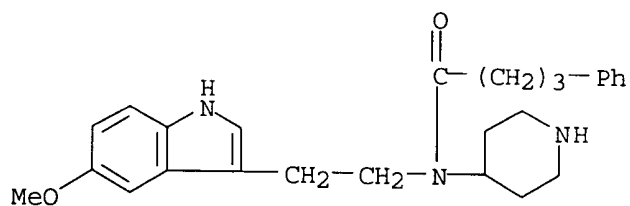
RN 344785-91-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



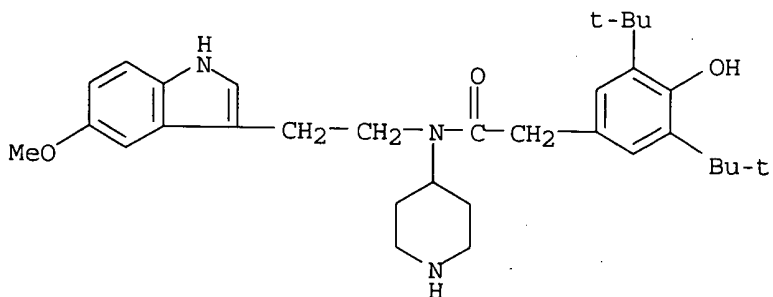
RN 344785-92-8 CAPLUS

CN Benzenebutanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-93-9 CAPLUS

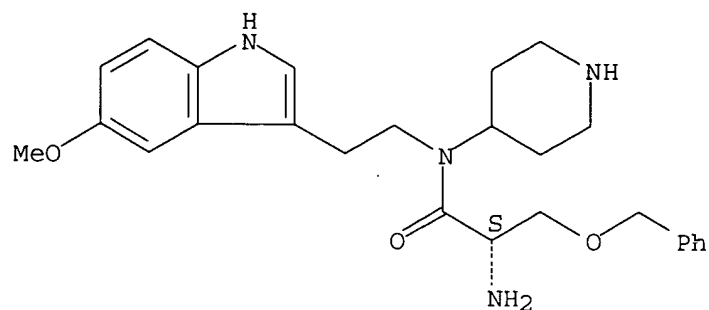
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-94-0 CAPLUS

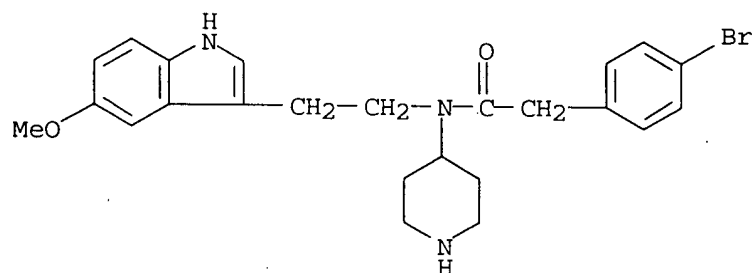
CN Propanamide, 2-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344785-95-1 CAPLUS

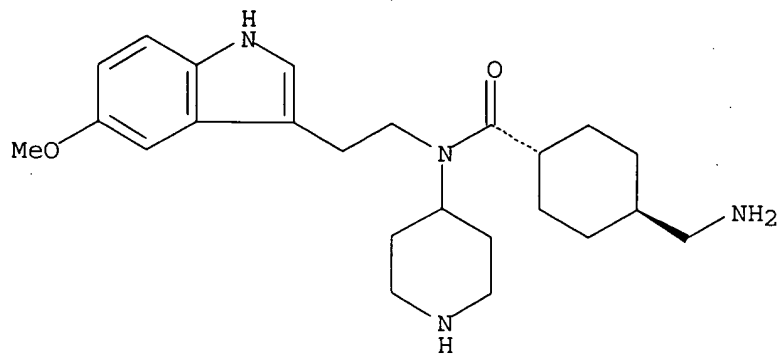
CN Benzeneacetamide, 4-bromo-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-96-2 CAPLUS

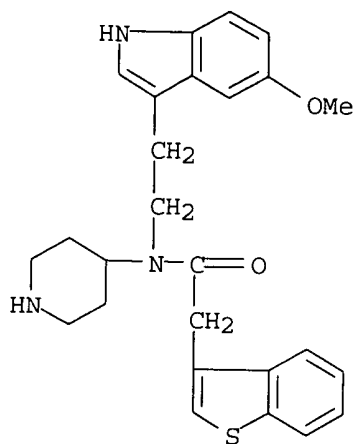
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

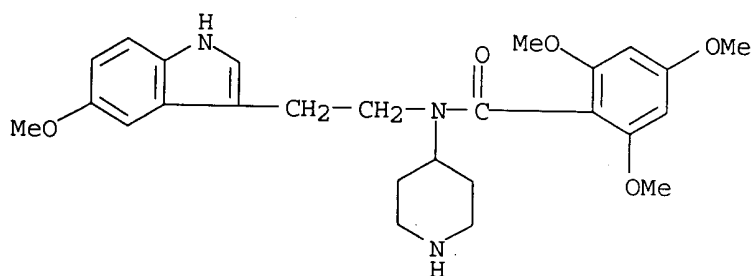


RN 344785-97-3 CAPLUS

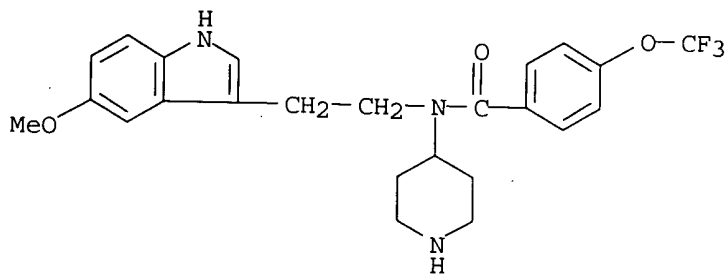
CN Benzo[b]thiophene-3-acetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



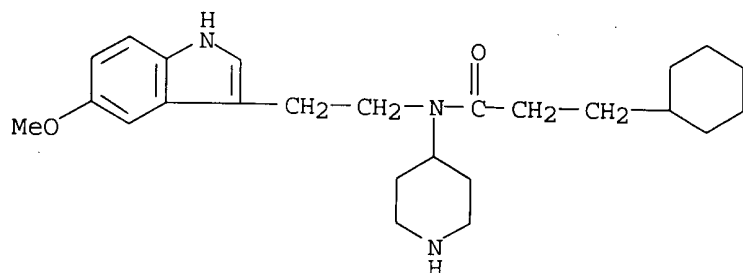
RN 344786-00-1 CAPLUS
 CN Benzamide, 2,4,6-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-01-2 CAPLUS
 CN Benzamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

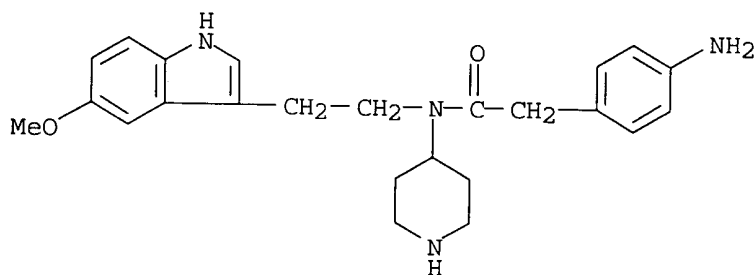


RN 344786-02-3 CAPLUS
 CN Cyclohexanepropanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



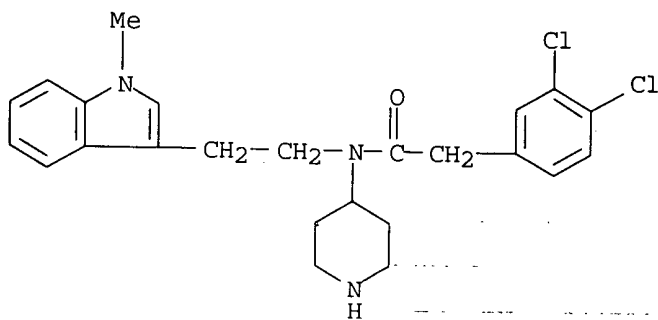
RN 344786-03-4 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



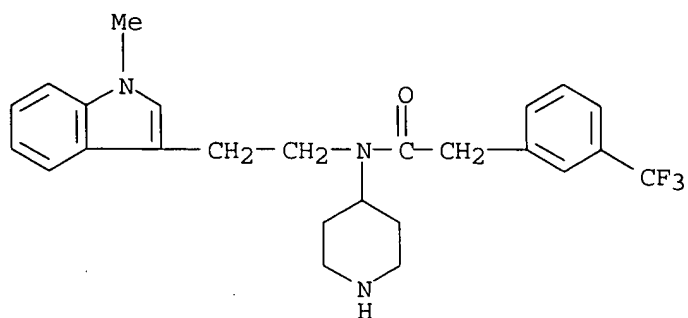
RN 344786-20-5 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



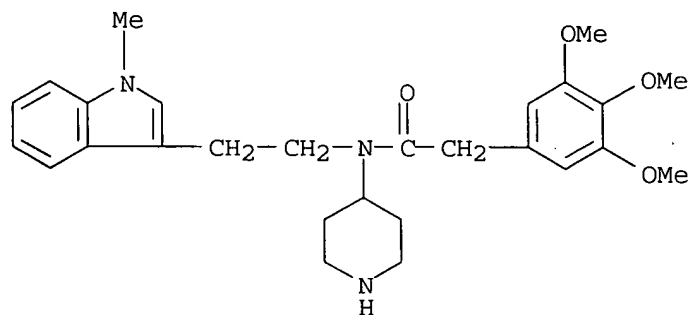
RN 344786-21-6 CAPLUS

CN Benzeneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



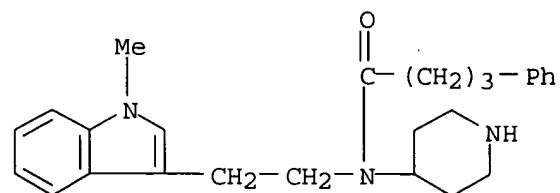
RN 344786-22-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



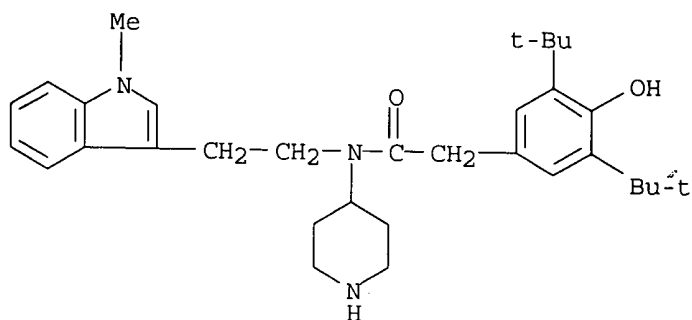
RN 344786-23-8 CAPLUS

CN Benzenebutanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-24-9 CAPLUS

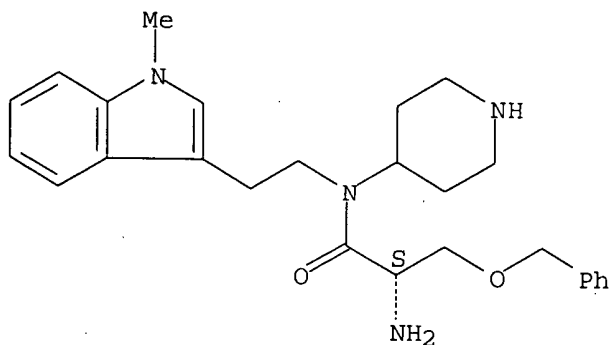
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-25-0 CAPLUS

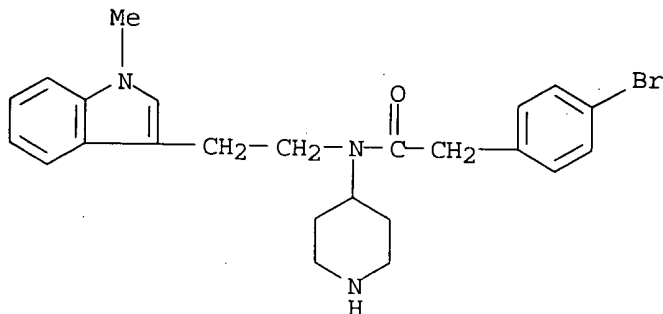
CN Propanamide, 2-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-30-7 CAPLUS

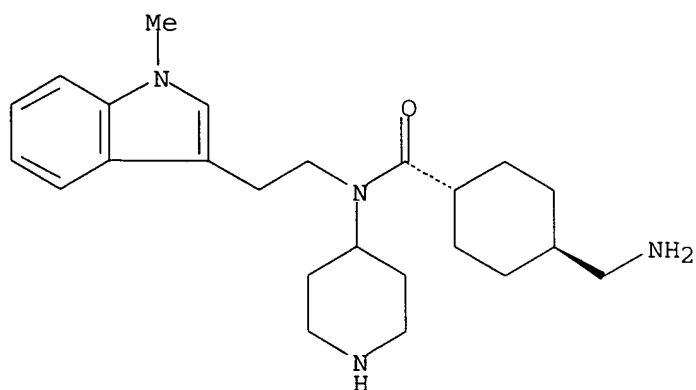
CN Benzeneacetamide, 4-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, (9CI) (CA INDEX NAME)



RN 344786-33-0 CAPLUS

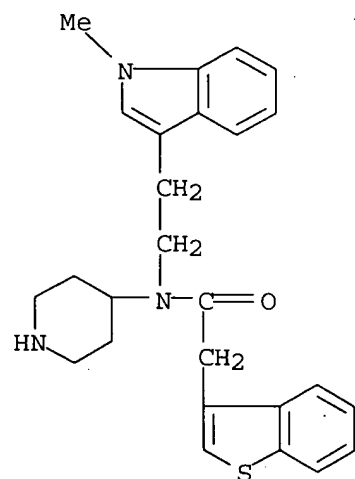
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



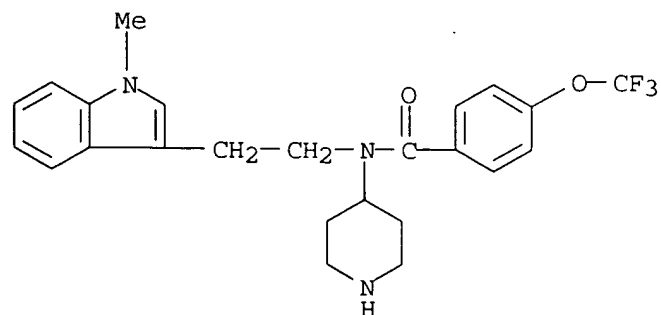
RN 344786-34-1 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



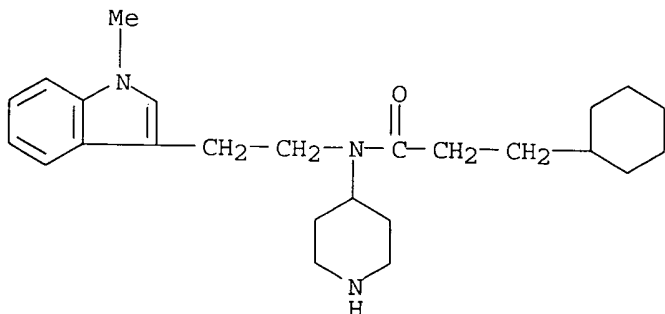
RN 344786-37-4 CAPLUS

CN Benzamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



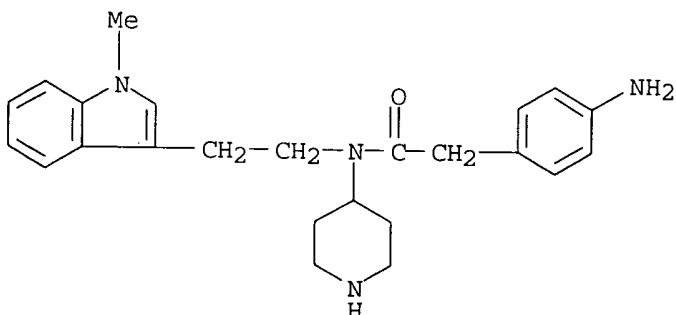
RN 344786-38-5 CAPLUS

CN Cyclohexanepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



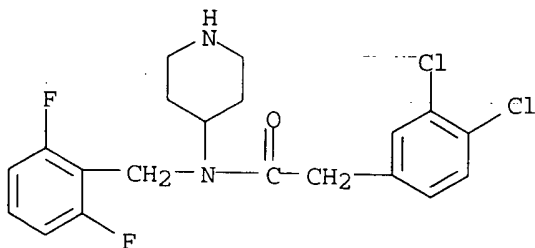
RN 344786-39-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



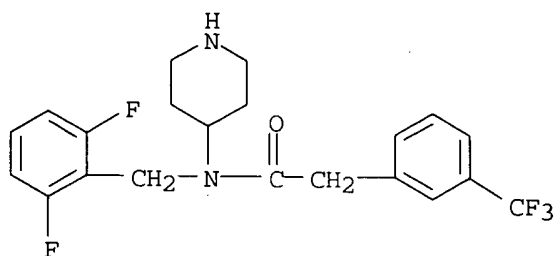
RN 344786-40-9 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



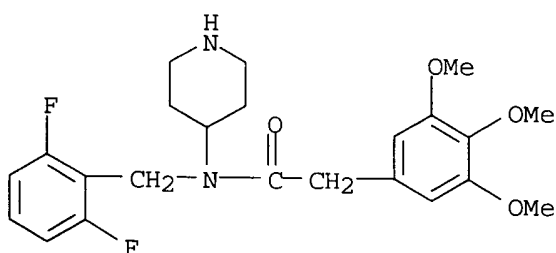
RN 344786-41-0 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



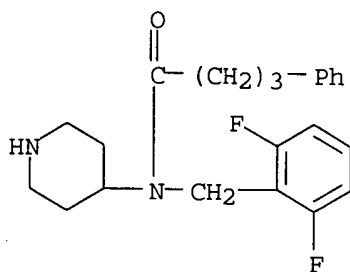
RN 344786-42-1 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



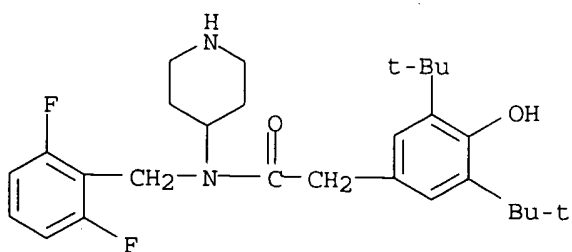
RN 344786-43-2 CAPLUS

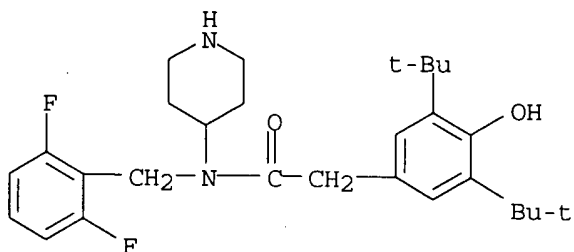
CN Benzenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-44-3 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

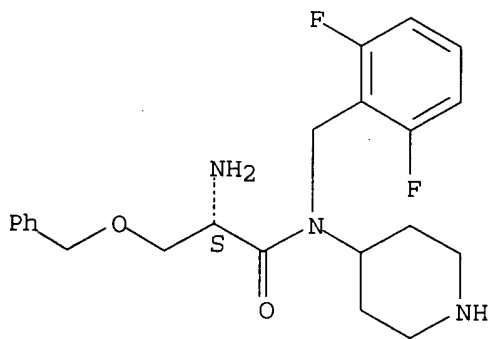




RN 344786-45-4 CAPLUS

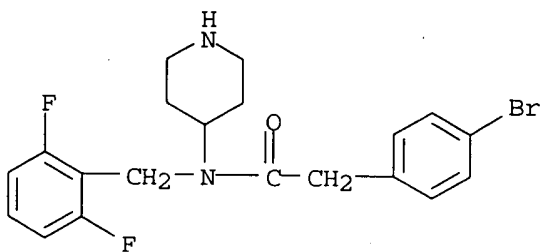
CN Propanamide, 2-amino-N-[(2,6-difluorophenyl)methyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-47-6 CAPLUS

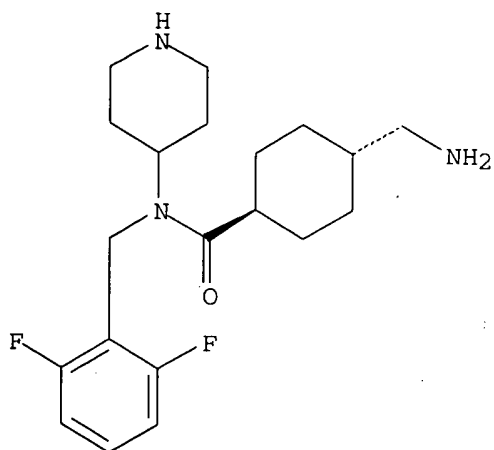
CN Benzeneacetamide, 4-bromo-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-, (9CI) (CA INDEX NAME)



RN 344786-48-7 CAPLUS

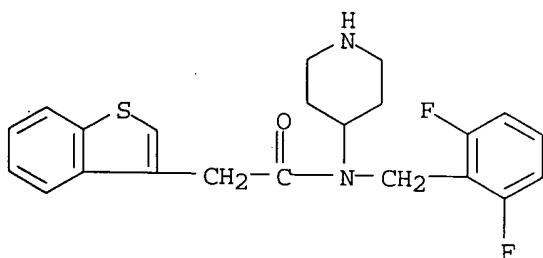
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



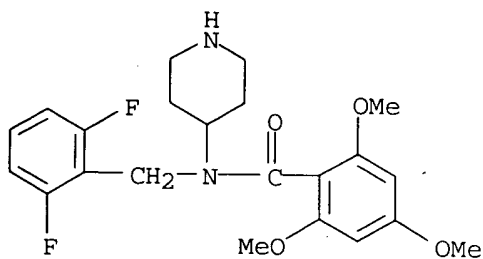
RN 344786-49-8 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



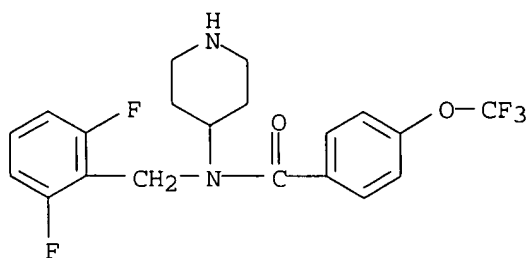
RN 344786-52-3 CAPLUS

CN Benzamide, N-[(2,6-difluorophenyl)methyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



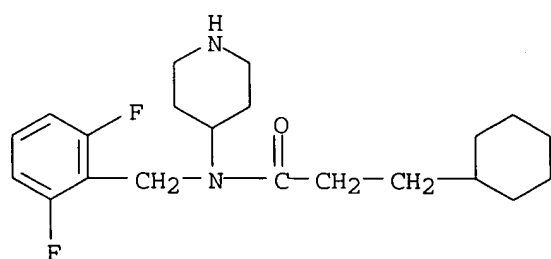
RN 344786-53-4 CAPLUS

CN Benzamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



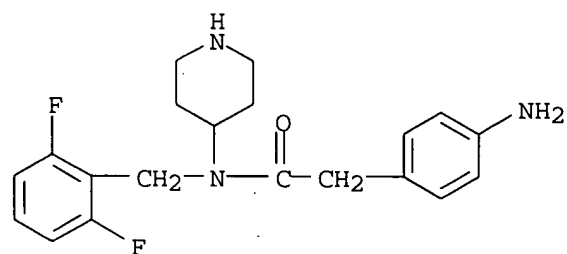
RN 344786-54-5 CAPLUS

CN Cyclohexanepropanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



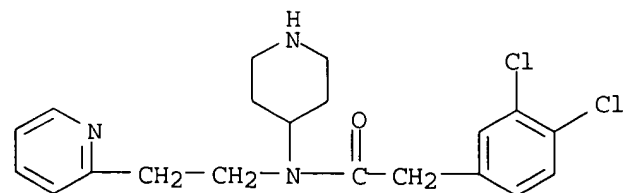
RN 344786-55-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



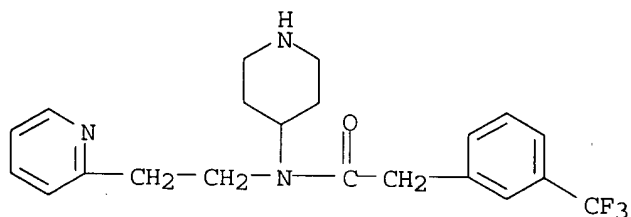
RN 344786-56-7 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-
(9CI) (CA INDEX NAME)



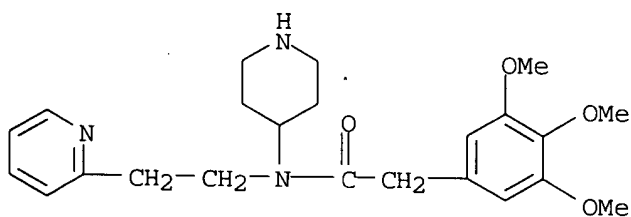
RN 344786-57-8 CAPLUS

CN Benzeneacetamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



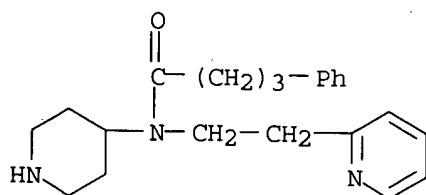
RN 344786-58-9 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



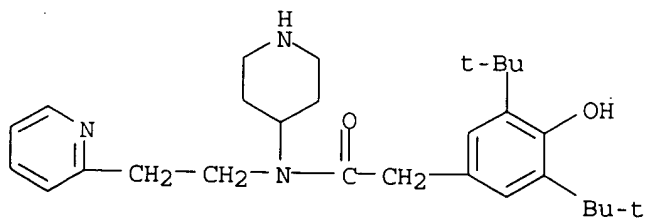
RN 344786-59-0 CAPLUS

CN Benzenebutanamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-60-3 CAPLUS

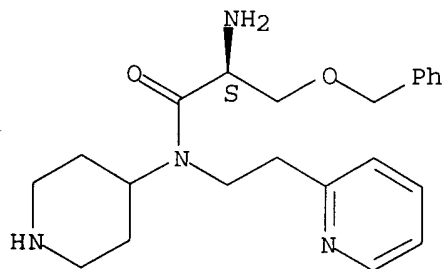
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-61-4 CAPLUS

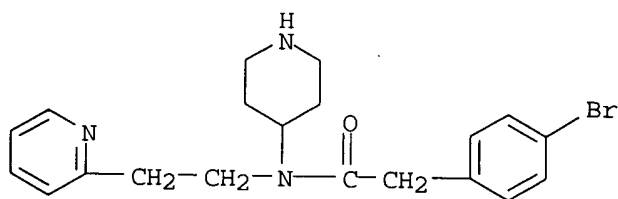
CN Propanamide, 2-amino-3-(phenylmethoxy)-N-4-piperidiny-N-[2-(2-pyridinyl)ethyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-63-6 CAPLUS

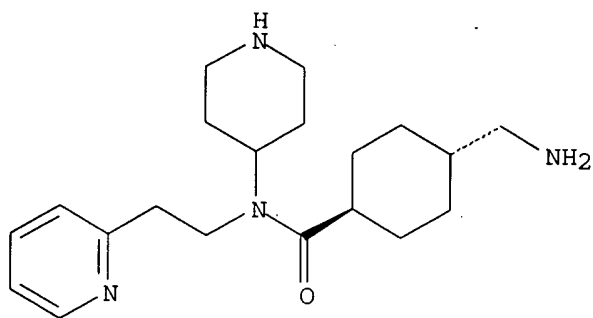
CN Benzeneacetamide, 4-bromo-N-4-piperidiny-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-64-7 CAPLUS

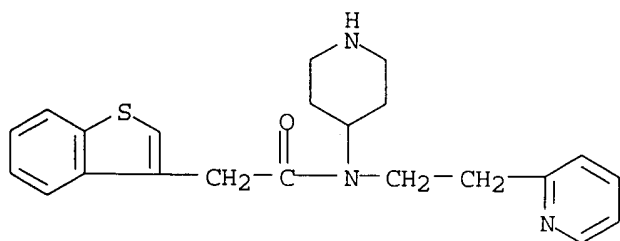
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-4-piperidiny-N-[2-(2-pyridinyl)ethyl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

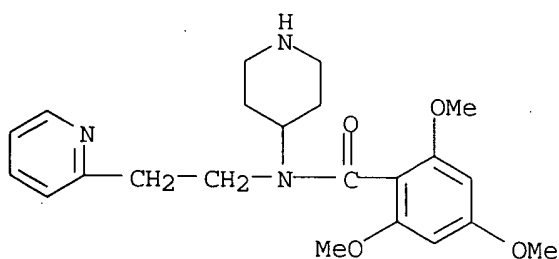


RN 344786-65-8 CAPLUS

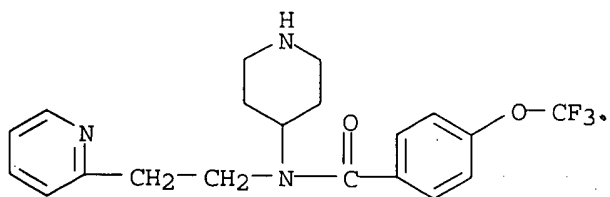
CN Benzo[b]thiophene-3-acetamide, N-4-piperidiny-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



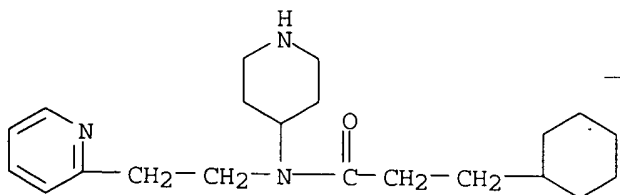
RN 344786-68-1 CAPLUS

CN Benzamide, 2,4,6-trimethoxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-
(9CI) (CA INDEX NAME)

RN 344786-69-2 CAPLUS

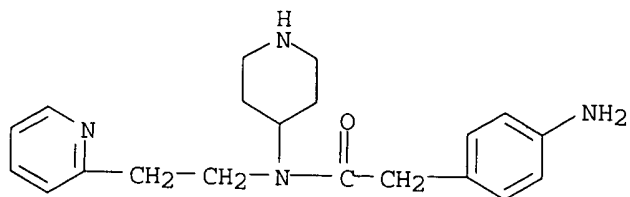
CN Benzamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-4-(trifluoromethoxy)-
(9CI) (CA INDEX NAME)

RN 344786-70-5 CAPLUS

CN Cyclohexanepropanamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI)
(CA INDEX NAME)

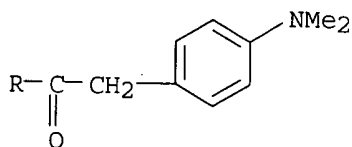
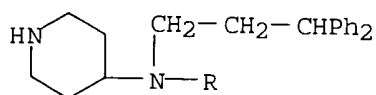
RN 344786-71-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI)
(CA INDEX NAME)



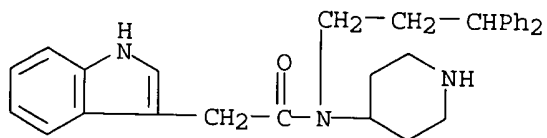
RN 344787-32-2 CAPLUS

CN Benzeneacetamide, 4-(dimethylamino)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



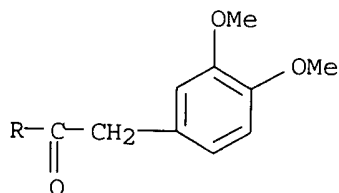
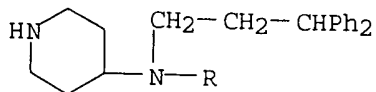
RN 344787-33-3 CAPLUS

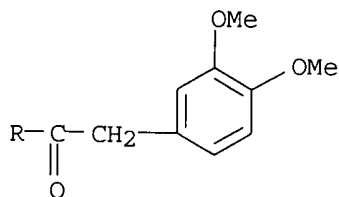
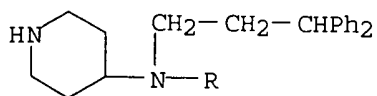
CN 1H-Indole-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



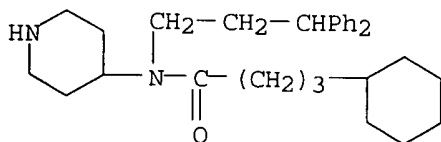
RN 344787-34-4 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

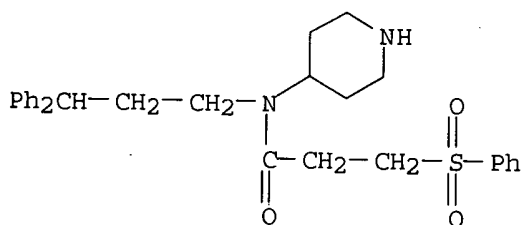




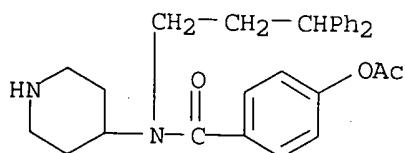
RN 344787-35-5 CAPLUS
 CN Cyclohexanebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



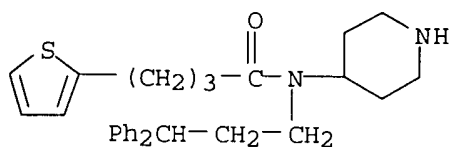
RN 344787-36-6 CAPLUS
 CN Propanamide, N-(3,3-diphenylpropyl)-3-(phenylsulfonyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



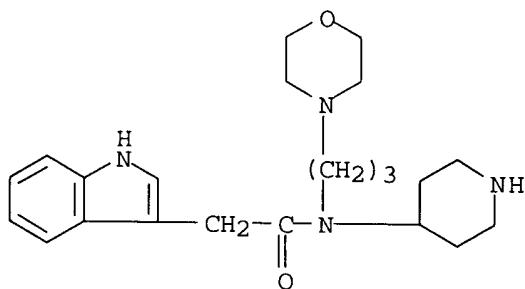
RN 344787-37-7 CAPLUS
 CN Benzamide, 4-(acetyloxy)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-38-8 CAPLUS
 CN 2-Thiophenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

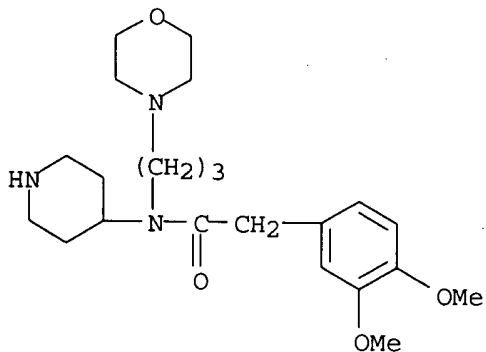


RN 344787-39-9 CAPLUS

CN 1H-Indole-3-acetamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

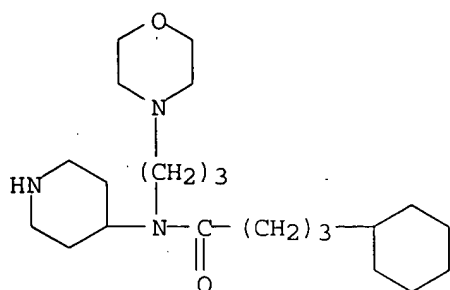
RN 344787-40-2 CAPLUS

CN Benzeneacetamide, 3,4-dimethoxy-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



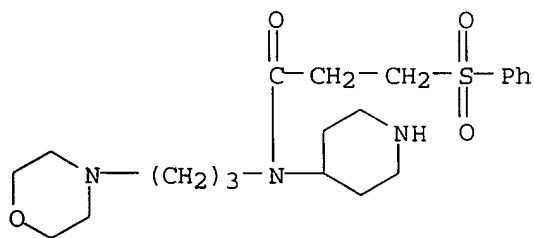
RN 344787-41-3 CAPLUS

CN Cyclohexanebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



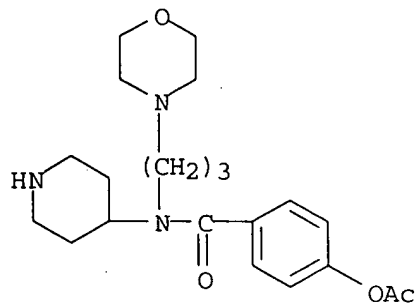
RN 344787-42-4 CAPLUS

CN Propanamide, N-[3-(4-morpholinyl)propyl]-3-(phenylsulfonyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



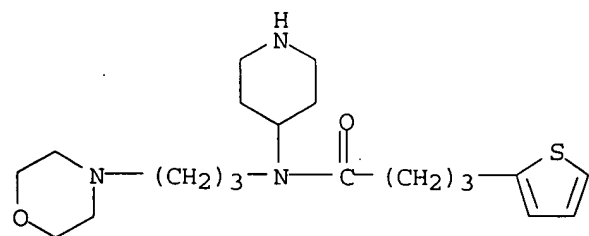
RN 344787-43-5 CAPLUS

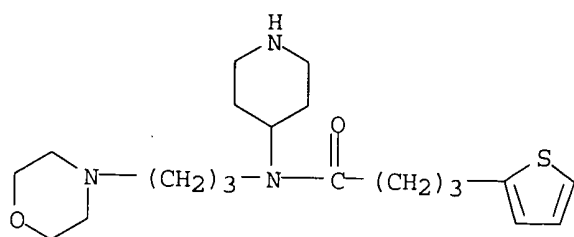
CN Benzamide, 4-(acetyloxy)-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-44-6 CAPLUS

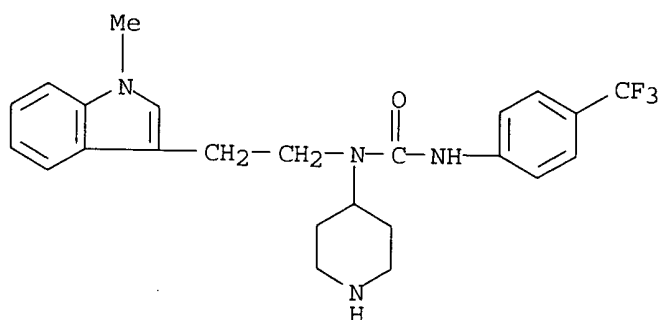
CN 2-Thiophenebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)





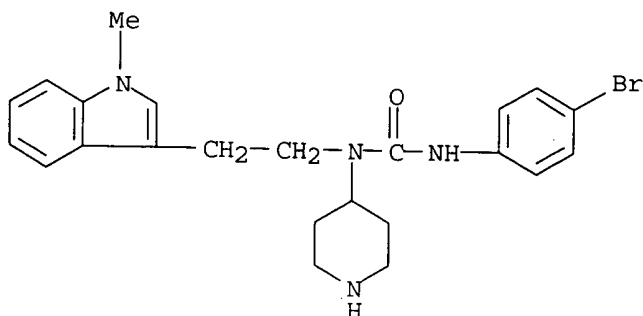
RN 344787-45-7 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



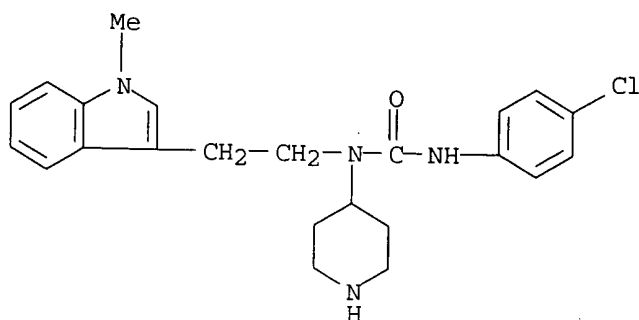
RN 344787-46-8 CAPLUS

CN Urea, N'-[4-bromophenyl]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



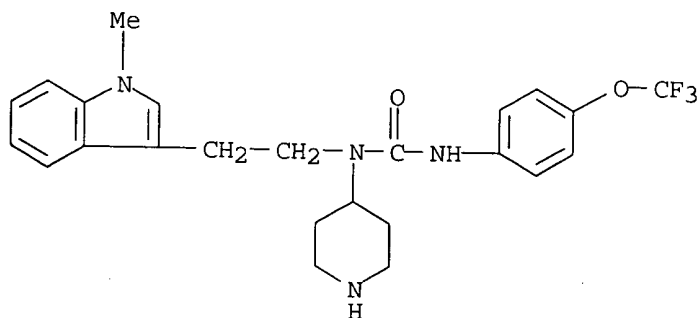
RN 344787-47-9 CAPLUS

CN Urea, N'-[4-chlorophenyl]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



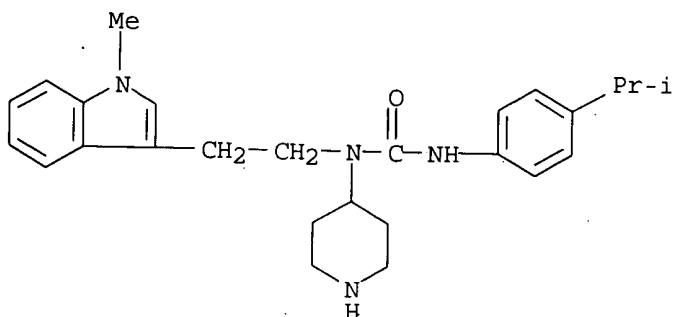
RN 344787-48-0 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



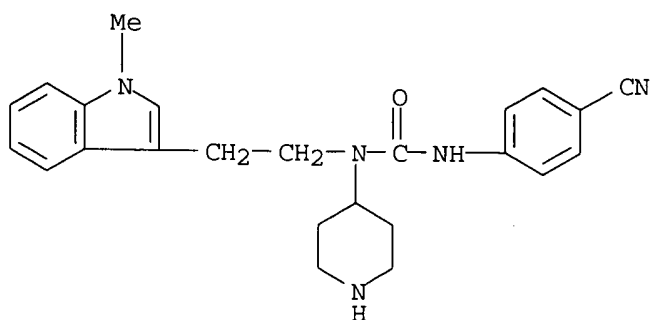
RN 344787-49-1 CAPLUS

CN Urea, N'-[4-(1-methylethyl)phenyl]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

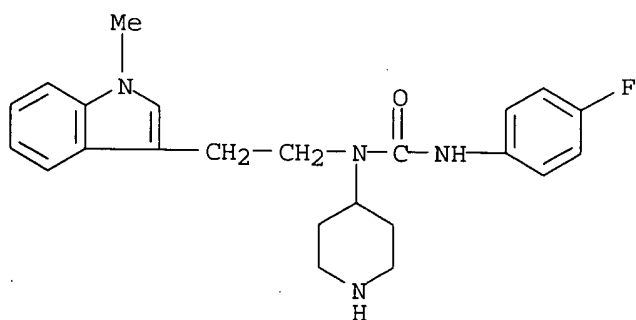


RN 344787-50-4 CAPLUS

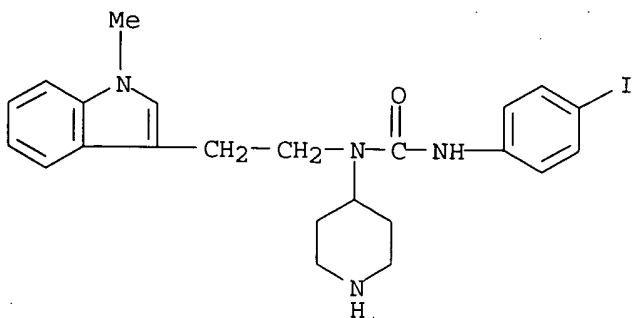
CN Urea, N'-[4-(cyanophenyl)]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



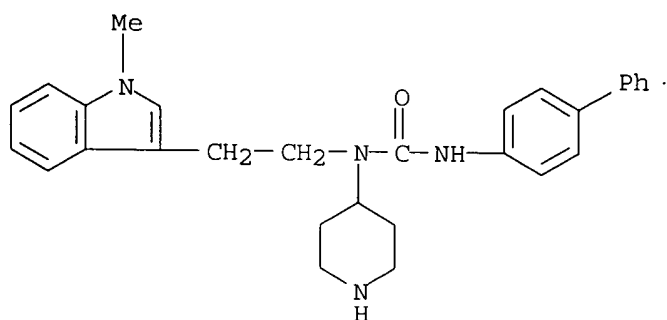
RN 344787-51-5 CAPLUS
CN Urea, N'-(4-fluorophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-52-6 CAPLUS
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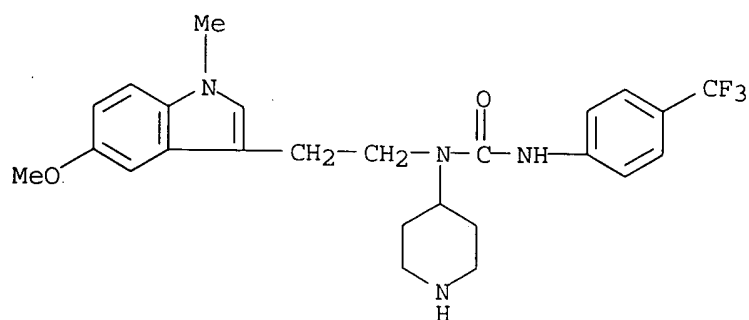


RN 344787-53-7 CAPLUS
CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



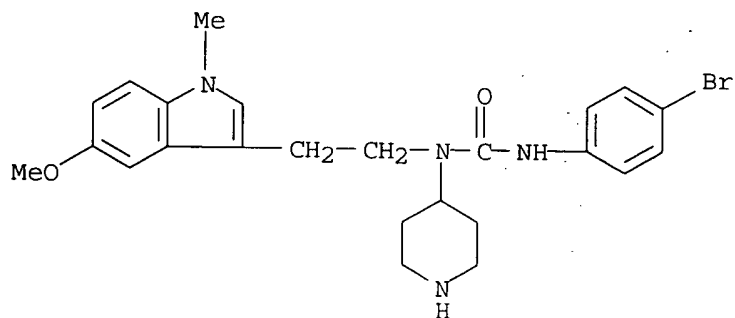
RN 344787-54-8 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



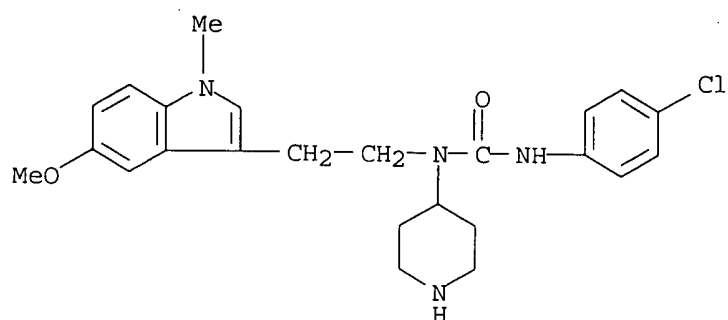
RN 344787-55-9 CAPLUS

CN Urea, N'-(4-bromophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



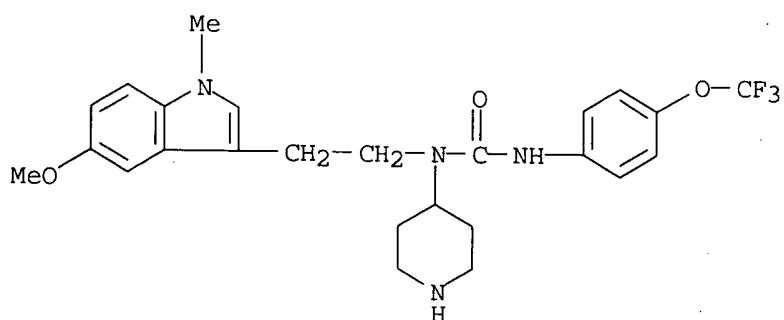
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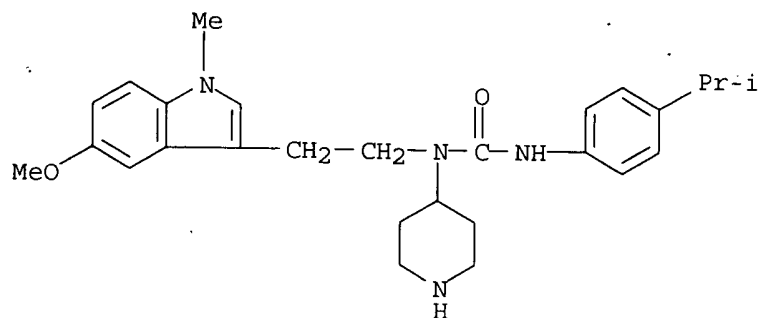
RN 344787-57-1 CAPLUS

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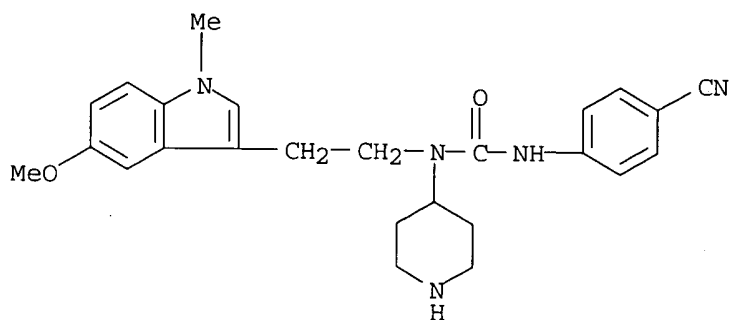
RN 344787-58-2 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



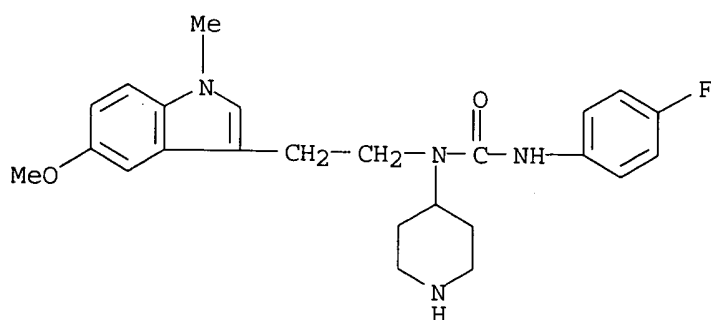
RN 344787-59-3 CAPLUS

CN Urea, N'-[4-(4-cyanophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl]- (9CI) (CA INDEX NAME)



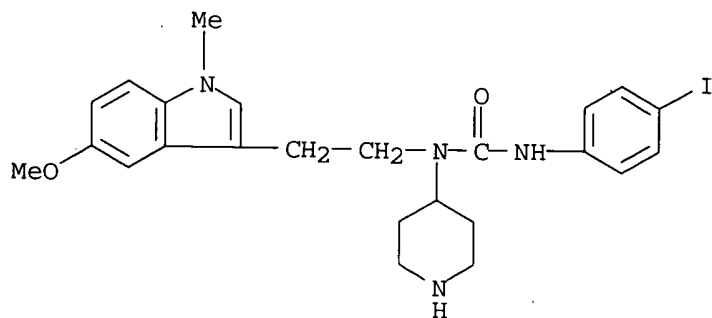
RN 344787-60-6 CAPLUS

CN Urea, N'-(4-fluorophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



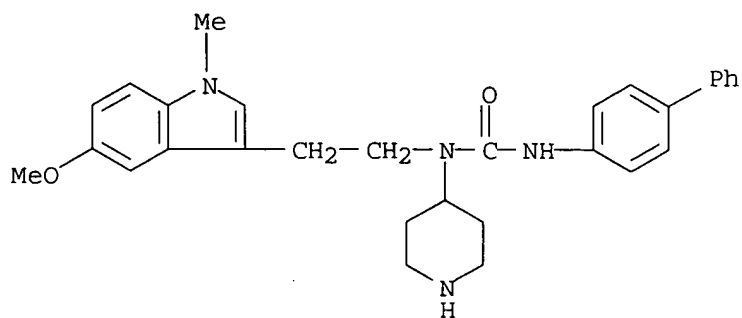
RN 344787-61-7 CAPLUS

CN Urea, N'-(4-iodophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



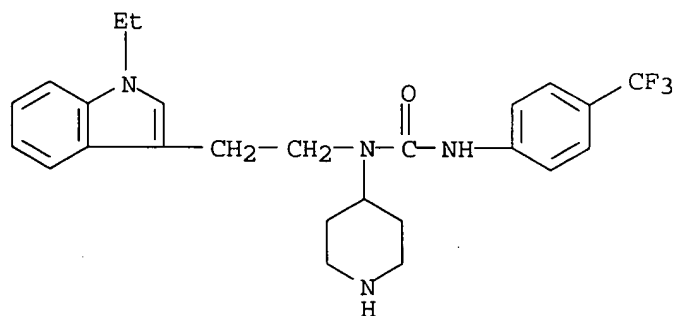
RN 344787-62-8 CAPLUS

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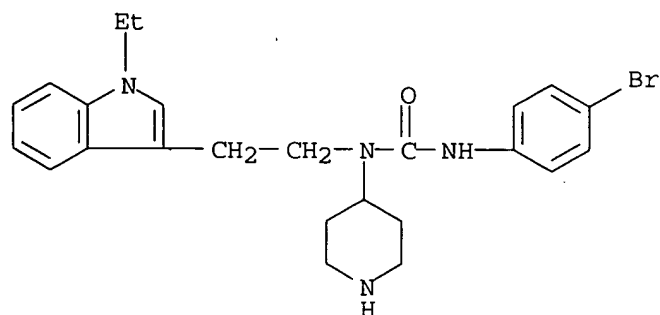
RN 344787-63-9 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



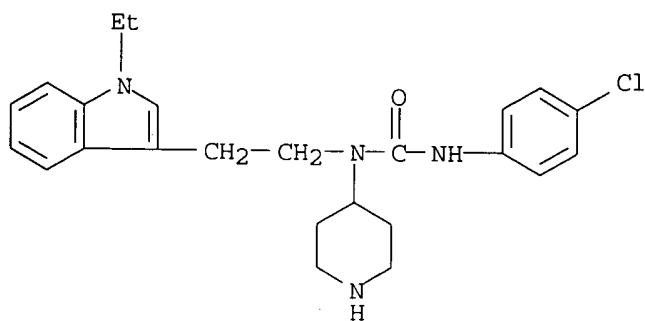
RN 344787-64-0 CAPLUS

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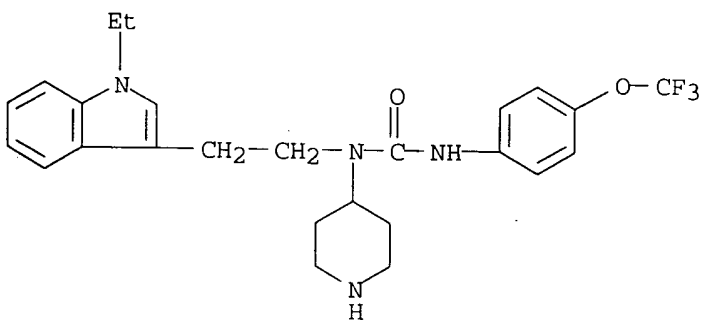
RN 344787-65-1 CAPLUS

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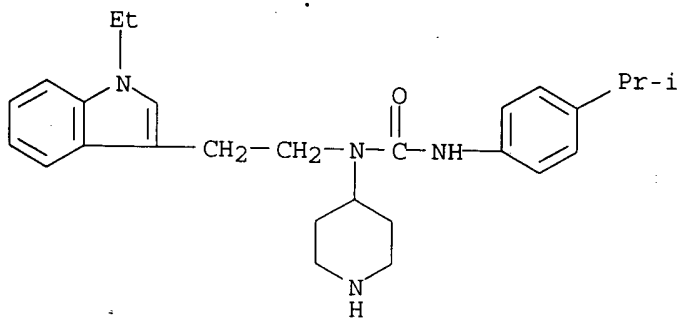
RN 344787-66-2 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



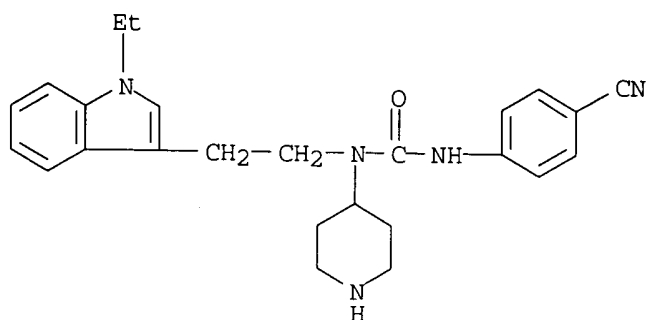
RN 344787-67-3 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



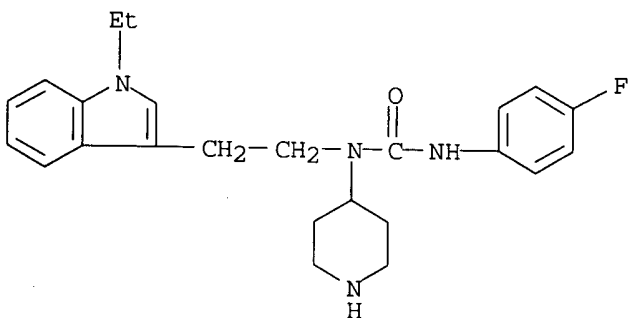
RN 344787-68-4 CAPLUS

CN Urea, N'-[4-cyanophenyl]-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



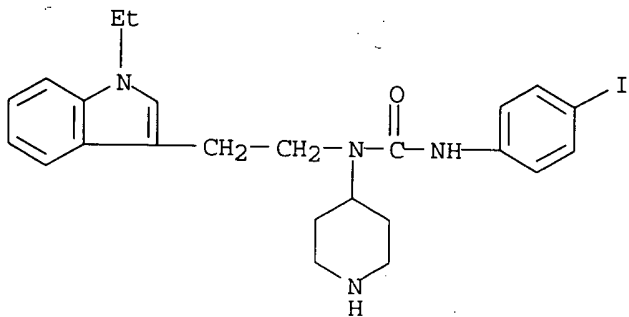
RN 344787-69-5 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



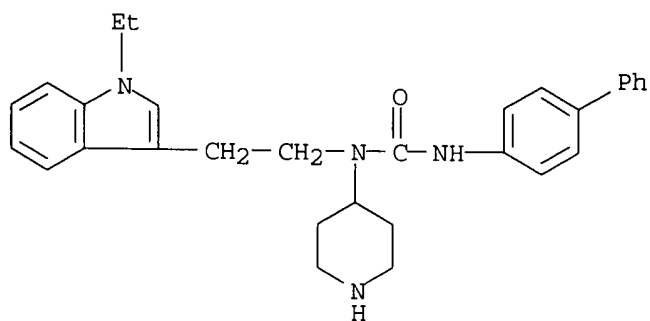
RN 344787-70-8 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-iodophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

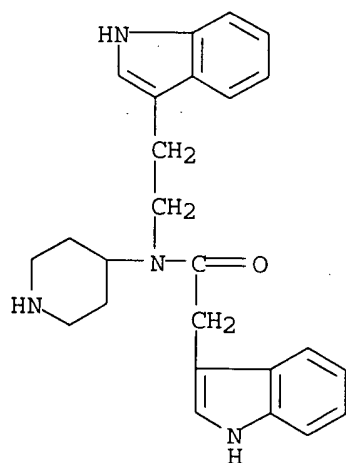


RN 344787-71-9 CAPLUS

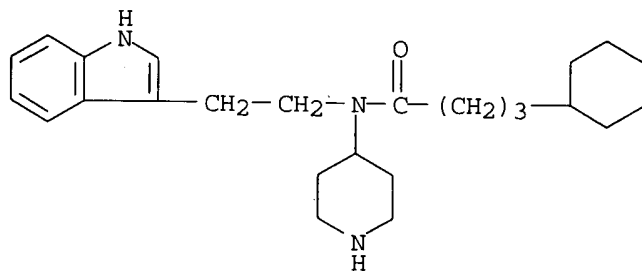
CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



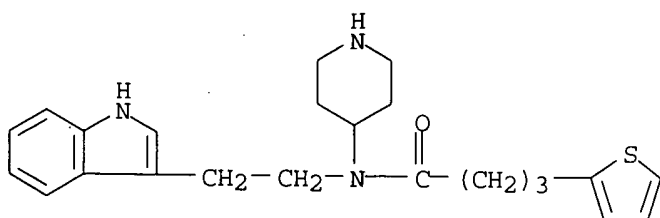
RN 344787-93-5 CAPLUS
 CN 1H-Indole-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



RN 344787-95-7 CAPLUS
 CN Cyclohexanebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)

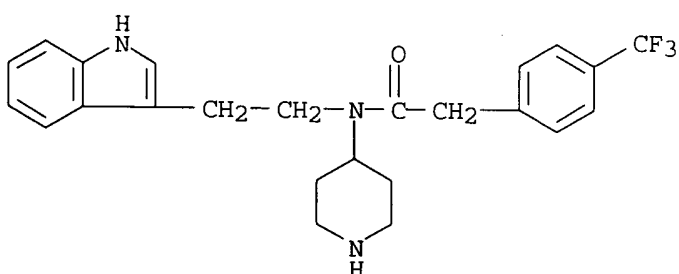


RN 344787-97-9 CAPLUS
 CN 2-Thiophenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



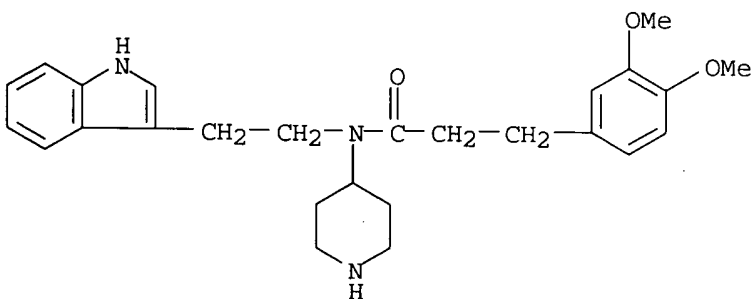
RN 344787-99-1 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



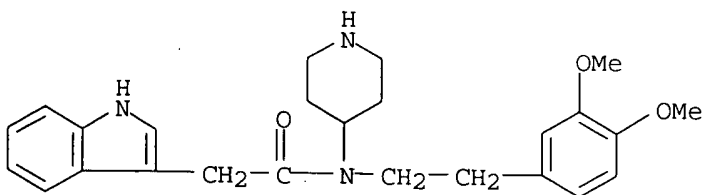
RN 344788-01-8 CAPLUS

CN Benzenepropanamide, N-[2-(1H-indol-3-yl)ethyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

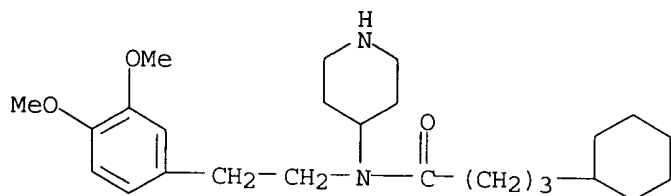


RN 344788-03-0 CAPLUS

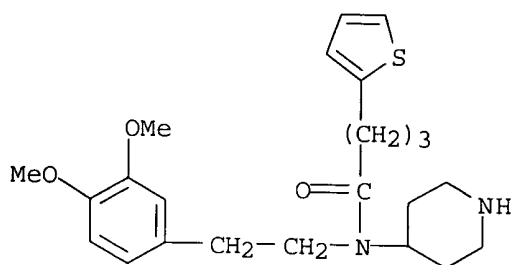
CN 1H-Indole-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



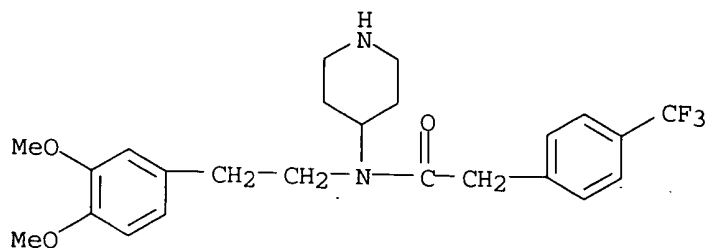
RN 344788-05-2 CAPLUS
CN Cyclohexanebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



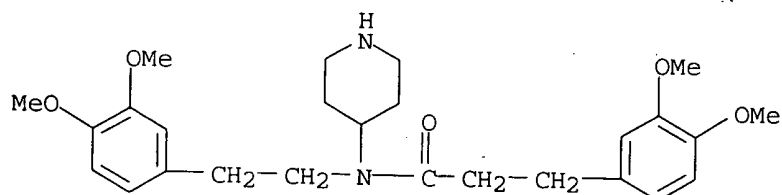
RN 344788-07-4 CAPLUS
CN 2-Thiophenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

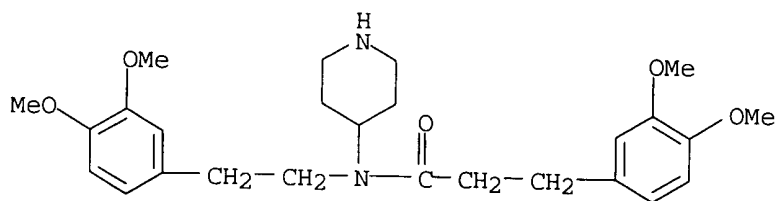


RN 344788-09-6 CAPLUS
CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

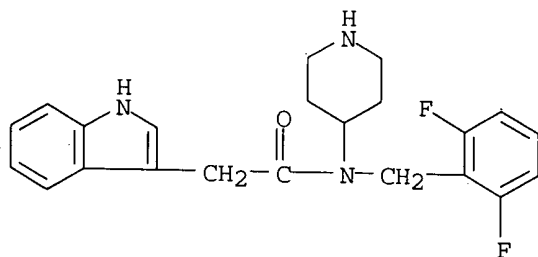


RN 344788-11-0 CAPLUS
CN Benzenepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

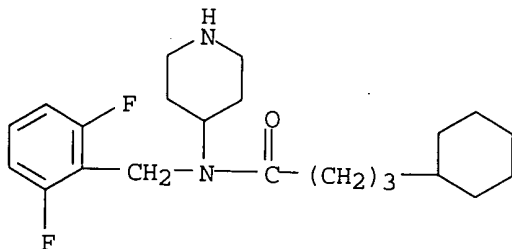




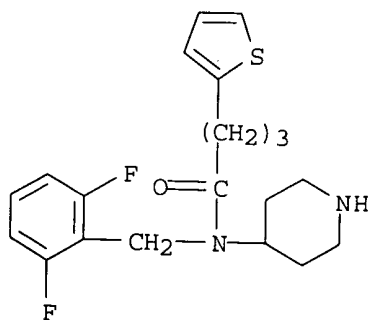
RN 344788-13-2 CAPLUS

CN 1H-Indole-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344788-15-4 CAPLUS

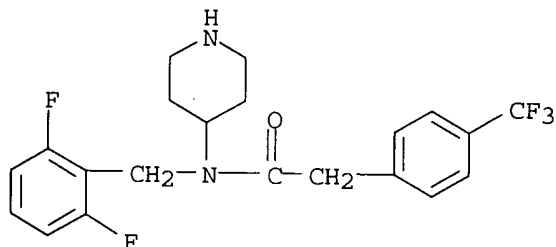
CN Cyclohexanebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344788-17-6 CAPLUS

CN 2-Thiophenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

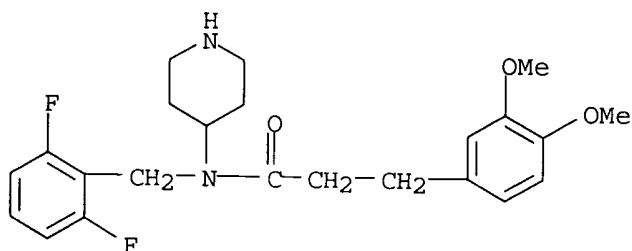
RN 344788-19-8 CAPLUS

CN Benzenacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



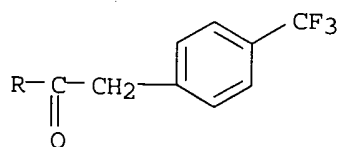
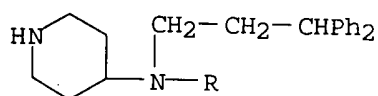
RN 344788-21-2 CAPLUS

CN Benzenepropanamide, N-[(2,6-difluorophenyl)methyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



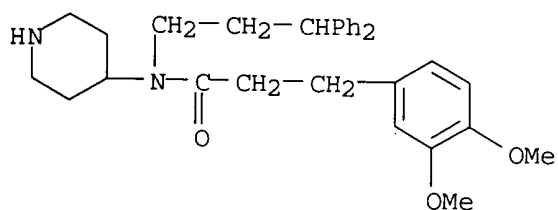
RN 344788-24-5 CAPLUS

CN Benzenacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



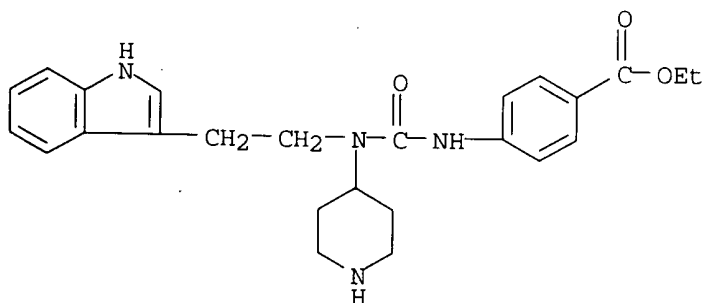
RN 344788-26-7 CAPLUS

CN Benzenepropanamide, N-(3,3-diphenylpropyl)-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



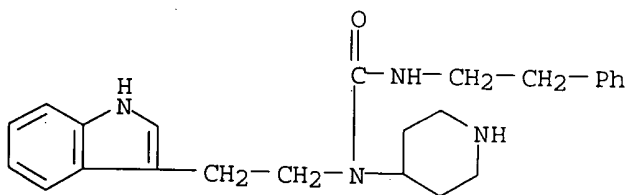
RN 344788-74-5 CAPLUS

CN Benzoic acid, 4-[[[2-(1H-indol-3-yl)ethyl]-4-piperidinylamino]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



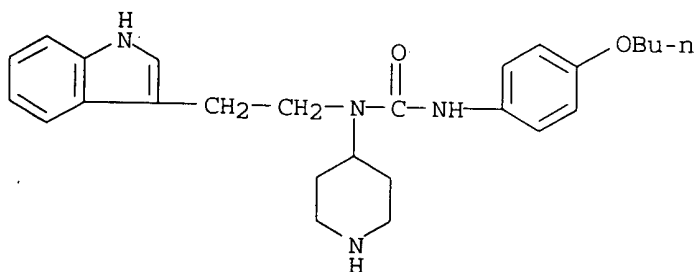
RN 344788-75-6 CAPLUS

CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344788-76-7 CAPLUS

CN Urea, N'-(4-butoxyphenyl)-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



AN 1987:120862 CAPLUS
 DN 106:120862
 TI Hindered piperidinyl derivatives of tetrahydrofurancarboxylic acid as stabilizers
 IN Helwig, Reinhard; Neumann, Peter; Trauth, Hubert; AumueUler, Alexander
 PA BASF A.-G. , Fed. Rep. Ger.
 SO Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3522678	A1	19870108	DE 1985-3522678	19850625
	US 4703072	A	19871027	US 1986-874864	19860616
	EP 207396	A1	19870107	DE 1985-3522678	19850625
	EP 207396	B1	19890419	EP 1986-108428	19860620
	R: CH, DE, FR, GB, IT, LI				
	JP 62011770	A2	19870120	DE 1985-3522678	19850625
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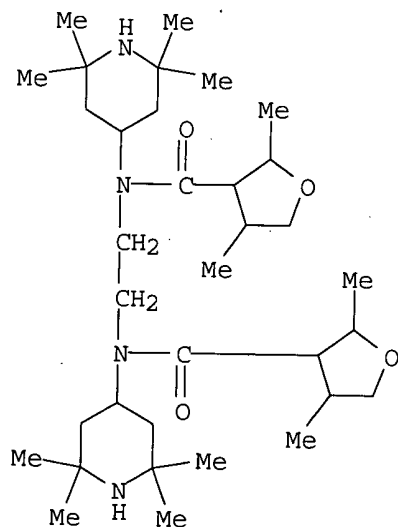
IT **107187-20-2P**

RL: PREP (Preparation)

(prepn. of, as stabilizer for polymers)

RN 107187-20-2 CAPLUS

CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[tetrahydro-2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



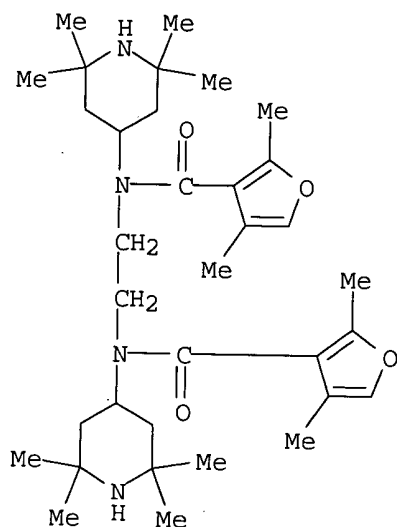
IT **107187-27-9P**

RL: PREP (Preparation)

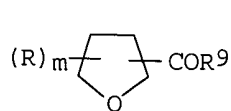
(prepn. of, as stabilizers for polymers)

RN 107187-27-9 CAPLUS

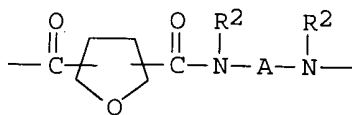
CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



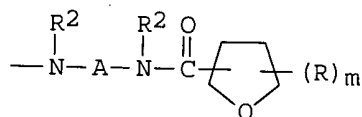
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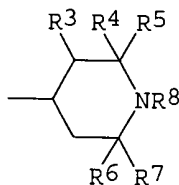
I



II



III



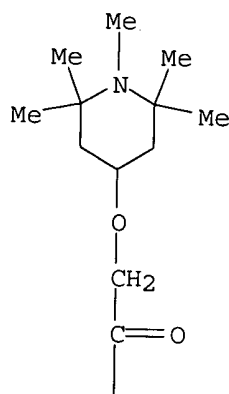
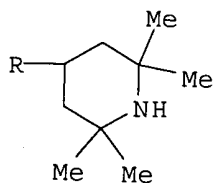
IV

AB Title derivs. I and II polymers (R = C1-4 alkyl, cyclohexyl, Ph; m = 0-3; n = 1 or 2; R9 = DR2, NR1R2, or III, and, as a polymer end-group, Cl or OH at the CO group and H at the NR2 group; A = bridging group; R1 = H, C2-6 alkenyl, C1-12 alkyl or C5-7 cycloalkyl broken by .ltoreq.3 O; R2 = IV (R3 = H, Me; R4-7 = Me, Et; R8 = H, C1-8 alkyl, C3-8 alkenyl, C2-4 hydroxyalkyl, aralkyl) and their salts are prepd. and are useful at 0.01-5 wt.% as stabilizers for org. materials (e.g., polyolefins and lacquers). 2,5-Dimethylfuran-3-carboxylic acid 2,2,6,6-tetramethyl-4-piperidiny ester (15 g) in 150 mL MeOH was reduced in the presence of 3 g Raney Ni at 150.degree./160 bar to const. pressure (.apprx.5 h), the catalyst was filtered off, and the mixt. concd. Gas chromatog. anal. showed 2 isomeric products (12:88 ratio), and distn. in vacuo gave 12 g colorless oil (V) b. 120-126/0.5 mbar. Polypropylene contg. 0.25 phr V extruded twice at 220.degree., pressed to 200-.mu.m sheets, and stored 14 days in the dark at 25.degree. showed no surface coating. Aging of 2 sheets for 1 yr gave CO nos. of 3.33 and 5.73 and clear plates, compared with 7.22 and 11.0 and haze for a control contg. 0.25 phr Chimassorb 944 instead of V.

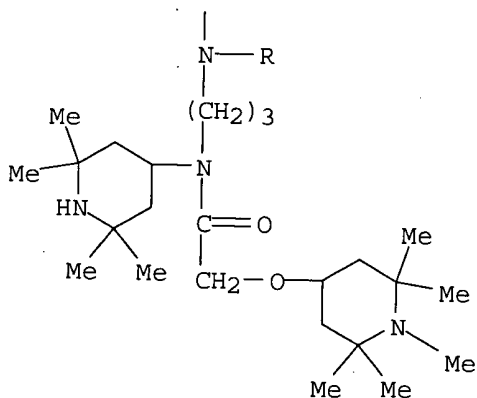
L5 ANSWER 21 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1986:110770 CAPLUS
 DN 104:110770
 TI Compounds containing **piperidine** rings and their use in the
 stabilization of synthetic polymers
 IN Cantatore, Giuseppe; Borzatta, Valerio
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 28 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 153907	A2	19850904	EP 1985-810074	19850222
	EP 153907	A3	19870513		
	EP 153907	B1	19921111		
	R: BE, DE, FR, GB, IT				
	CA 1236098	A1	19880503	IT 1984-19830	19840228
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				IT 1984-19830	19840228
	US 4618634	A	19861021	US 1985-706301	19850227
				IT 1984-19830	19840228
	JP 60202860	A2	19851014	JP 1985-40274	19850228
JP 05082384	B4	19931118			
IT				IT 1984-19830	19840228
	100217-57-0P 100217-58-1P 100217-59-2P 100217-60-5P RL: PREP (Preparation) (prepn. of, as stabilizer for polyolefins)				
RN	100217-57-0 CAPLUS				
CN	Acetamide, N,N'-1,3-propanediylbis[2-[(1,2,2,6,6-pentamethyl-4-piperidinyl)oxy]-N-(2,2,6,6-tetramethyl-4-piperidinyl)-(9CI) (CA INDEX NAME)				

PAGE 1-A

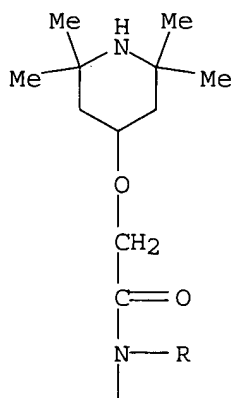
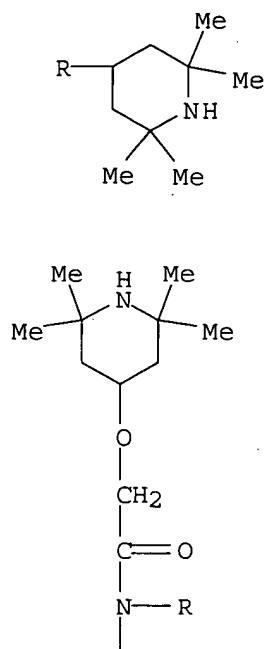


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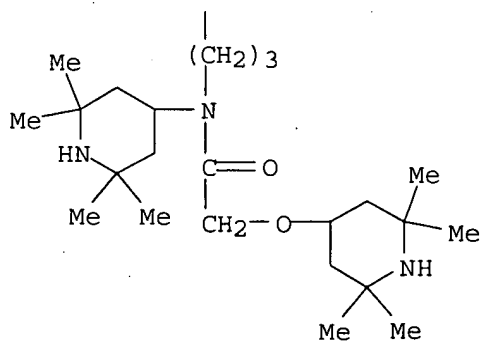


RN 100217-58-1 CAPLUS
 CN Acetamide, N,N'-1,3-propanediylbis[N-(2,2,6,6-tetramethyl-4-piperidiny)-2-
 [(2,2,6,6-tetramethyl-4-piperidinyloxy]- (9CI) (CA INDEX NAME)

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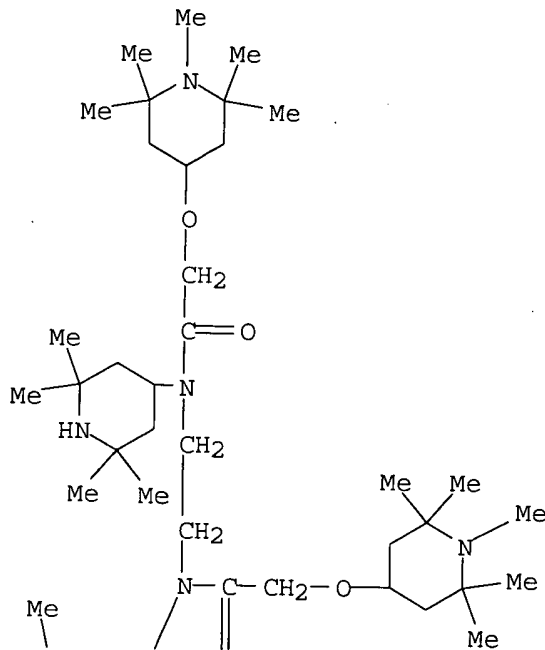
PAGE 2-A



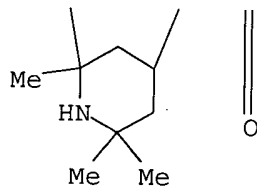
RN 100217-59-2 CAPLUS

CN Acetamide, 'N,N'-1,2-ethanediylbis[2-[(1,2,2,6,6-pentamethyl-4-piperidinyl)oxy]-N-(2,2,6,6-tetramethyl-4-piperidinyl)-(9CI) (CA INDEX NAME)

PAGE 1-A



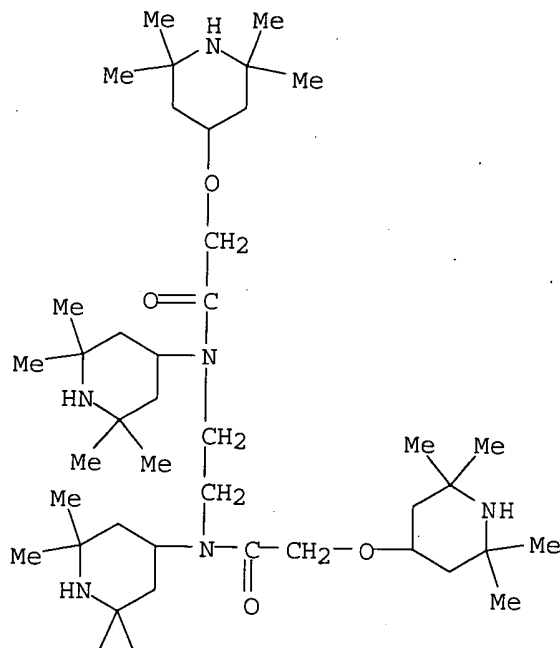
PAGE 2-A



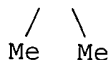
RN 100217-60-5 CAPLUS

CN Acetamide, N,N'-1,2-ethanediylbis[N-(2,2,6,6-tetramethyl-4-piperidiny1)-2-
[(2,2,6,6-tetramethyl-4-piperidiny1)oxy]- (9CI). (CA INDEX NAME)

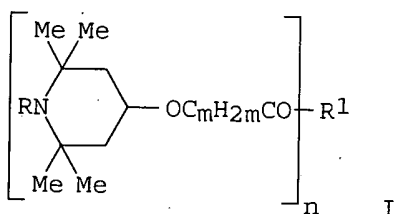
PAGE 1-A



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GI



AB Synthetic polymers can be stabilized by the addn. of **piperidine**-contg. compds. (I), where R is H, O, CH₂CN, C₁-12 alkyl, C₃-12 alkenyl or alkynyl, or C₁-12 acyl, m is 1-12, n is 1-3, and R₁ is an amine residue. For example, a stabilizer was prepd. by mixing 38.9 g N,N'-bis(2-chloroacetyl)-N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)-1,6-diaminohexane in 100 mL anhyd. xylene with the Na salt of 26.38 g 1,2,2,6,6-pentamethylpiperidin-4-ol in 120 mL anhyd. xylene. A mixt. of the stabilizer 2, pentaerythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] (antioxidant) 1, polypropylene (melt index 2.4) 1000, and Co stearate 1 g was extruded to form 50 .mu. .times. 2.5 mm bands, which required 2600 h in a weatherometer (63.degree.) for the

tensile strength of the sample to be reduced 50%.

L5 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1985:167359 CAPLUS
 DN 102:167359
 TI Polyaminamides containing polyalkylpiperidinyl residues
 IN Cantatore, Giuseppe
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 128861	A2	19841219	EP 1984-810211	19840503
	EP 128861	A3	19870902		
	EP 128861	B1	19901212		
	R: BE, DE, FR, GB, IT, NL				
	CA 1236097	A1	19880503	IT 1983-21005	19830509
				CA 1984-453685	19840507
				IT 1983-21005	19830509
	US 4578454	A	19860325	US 1984-608081	19840508
				IT 1983-21005	19830509
	JP 59210069	A2	19841128	JP 1984-92727	19840509
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				IT 1983-21005	19830509

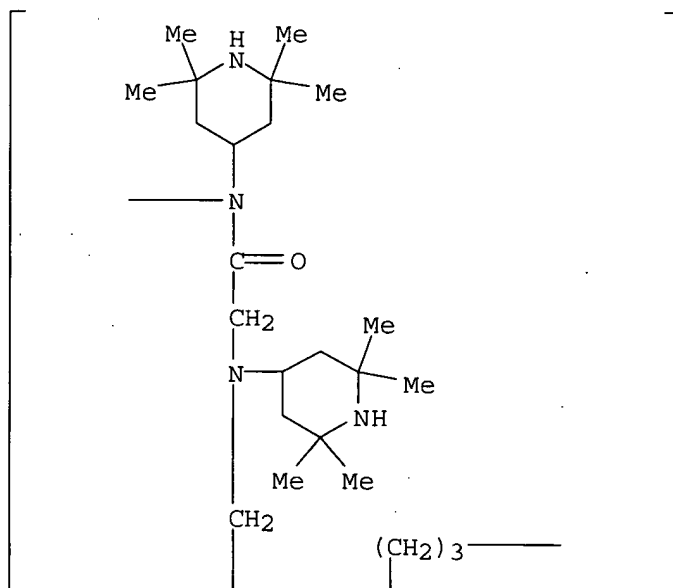
IT **96091-86-0P 96091-87-1P**

RL: IMF (Industrial manufacture); PREP (Preparation)
 (manuf. of, for light stabilizers for polymers)

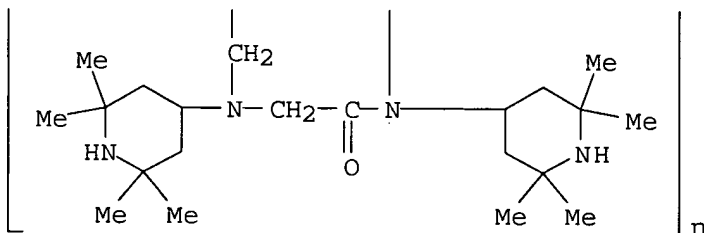
RN 96091-86-0 CAPLUS

CN Poly[[(2,2,6,6-tetramethyl-4-piperidinyl) imino] (2-oxo-1,2-ethanediyl) [(2,2,6,6-tetramethyl-4-piperidinyl) imino]-1,2-ethanediyl [(2,2,6,6-tetramethyl-4-piperidinyl) imino] (1-oxo-1,2-ethanediyl) [(2,2,6,6-tetramethyl-4-piperidinyl) imino]-1,3-propanediyl]
 (9CI) (CA INDEX NAME)

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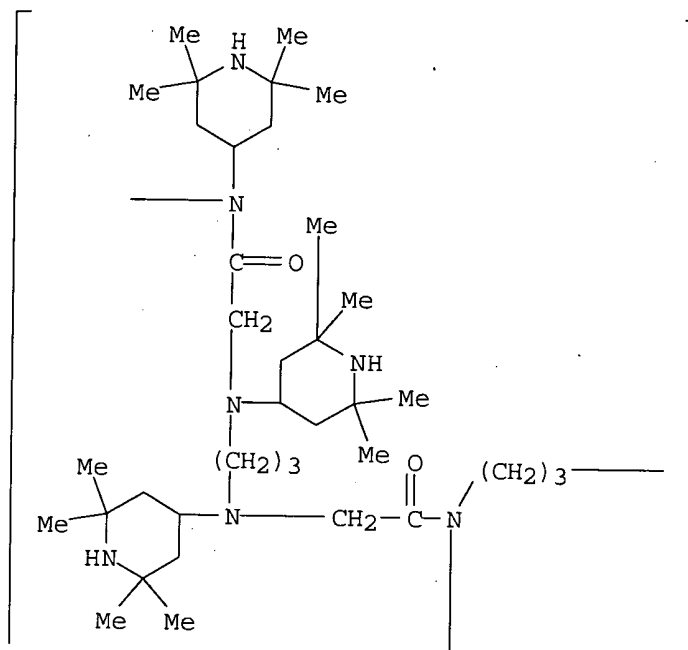


PAGE 2-A

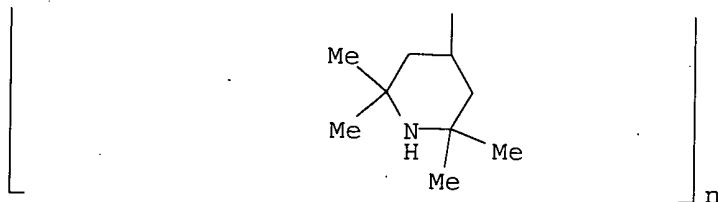


RN 96091-87-1 CAPLUS
 CN Poly[[(2,2,6,6-tetramethyl-4-piperidinyl) imino] (1-oxo-1,2-ethanediyl) [(2,2,6,6-tetramethyl-4-piperidinyl) imino] -1,3-propanediyl [(2,2,6,6-tetramethyl-4-piperidinyl) imino] (2-oxo-1,2-ethanediyl) [(2,2,6,6-tetramethyl-4-piperidinyl) imino] -1,3-propanediyl] (9CI) (CA INDEX NAME)

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AB Aminopolyamides bearing N-4-piperidinyl groups are manuf. for use as light stabilizers for polymers. Thus, adding 118.6 g ClCH₂COCl [79-04-9] in 100 mL CH₂Cl₂ slowly to 197 g N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-1,6-hexanediamine [61260-55-7] in 1 L CH₂Cl₂ stirred at 10°C. and stirring 1 h at -10°C. to 0°C. gave N,N'-hexamethylenebis[N-(2,2,6,6-tetramethyl-4-piperidinyl)chloroacetamide] (I) [96106-51-3]. Refluxing I 54.7, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)ethylenediamine 33.8, and NaOH 8.4 g in 100 mL xylene with distn. of H₂O for 12 h gave a polymer (II) [96121-62-9] with mol. wt. 4400. Polypropylene [9003-07-0] contg. II 0.2, pentaerythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 0.1, and Ca stearate 0.1 phr in a Weather-O-Meter at 63°C. required 2350 h for a 50% loss of tensile strength, compared with 230 without II.

L5 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1982:123934 CAPLUS

DN 96:123934

TI Amide derivatives of polyalkyl **piperidines** useful as stabilizers

Patel

<6/13/2003>

against light in organic materials
 IN Karrer, Friedrich; Moser, Paul
 PA Ciba-Geigy A.-G. , Switz.
 SO Fr. Demande, 59 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	FR 2479216	A1	19811002	FR 1981-6159	19810327
	FR 2479216	B1	19840720		
				CH 1980-2493	19800328
	US 4348524	A	19820907	US 1981-244551	19810317
				CH 1980-2493	19800328
	GB 2074564	A	19811104	GB 1981-9166	19810324
	GB 2074564	B2	19840627		
				CH 1980-2493	19800328
	DE 3111739	A1	19820107	DE 1981-3111739	19810325
	DE 3111739	C2	19910606		
				CH 1980-2493	19800328
	CA 1160220	A1	19840110	CA 1981-373961	19810326
				CH 1980-2493	19800328
	JP 56152462	A2	19811126	JP 1981-46125	19810328
				CH 1980-2493	19800328

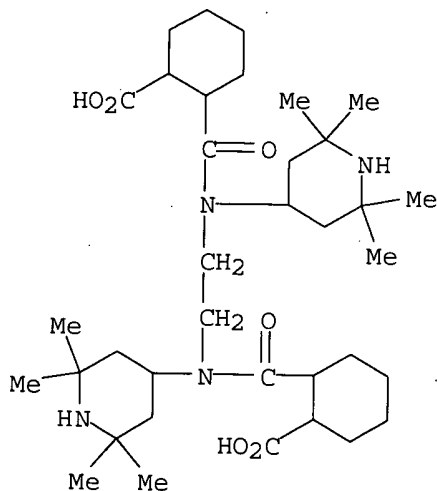
IT **80918-41-8**

RL: USES (Uses)

(light stabilizers, for org. materials)

RN 80918-41-8 CAPLUS

CN Cyclohexanecarboxylic acid, 2,2'-[1,2-ethanediylbis[[(2,2,6,6-tetramethyl-4-piperidiny)imino]carbonyl]]bis- (9CI) (CA INDEX NAME)



AB Amides of 2,2,6,6-tetraalkyl-4-aminopiperidines or their oligomeric derivs. are light stabilizers for org. materials, esp. polymers. Thus, adding 43 g dodecylsuccinic anhydride [2561-85-5] over 1 h to a refluxing soln. of 31.6 g 4,4'-(hexamethylenediimino)bis(2,2,6,6-tetramethylpiperidine) [61260-55-7] in 300 mL PhMe and refluxing 5 h gave N,N'-hexamethylenebis[2-dodecyl-N-(2,2,6,6-tetramethyl-4-

piperidyl)succinamic acid (I) [80918-21-4]. Adding 0.25% I to polypropylene [9003-07-0] contg. 0.2% octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate extended its time of resistance to Xenotest exposure by 3.6-fold.

L5 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1981:588148 CAPLUS

DN 95:188148

TI **Piperidine** derivatives as stabilizers for synthetic polymers

IN Cantatore, Giuseppe

PA Chimosa Chimica Organica S.p.A., Italy

SO Eur. Pat. Appl., 37 pp.

CODEN: EPXXDW

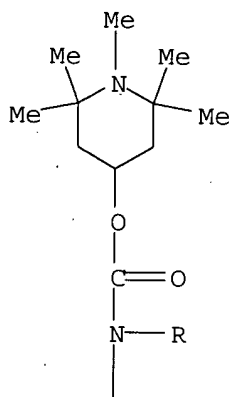
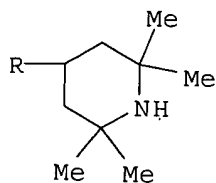
DT Patent

LA German

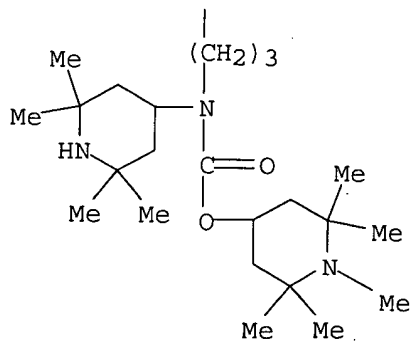
FAN.CNT 1

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	EP 31304	B1	19840613		
	R: CH, DE, FR, GB, IT				
	US 4369321	A	19830118	IT 1979-28324	19791221
				US 1980-215925	19801212
				IT 1979-28324	19791221
	JP 56095169	A2	19810801	JP 1980-180320	19801219
	JP 02055424	B4	19901127		
				IT 1979-28324	19791221
	CA 1152065	A1	19830816	CA 1980-367159	19801219
				IT 1979-28324	19791221
	US 4501837	A	19850226	US 1982-413439	19820831
				IT 1979-28324	19791221
				US 1980-215925	19801212
	US 4525503	A	19850625	US 1982-415919	19820908
				IT 1979-28324	19791221
				US 1980-215925	19801212
IT	79316-98-6P 79317-03-6P 79317-05-8P				
	79317-11-6P 79317-13-8P				
	RL: PREP (Preparation)				
	(prepn. and stabilization of polymers by)				
RN	79316-98-6 CAPLUS				
CN	Carbamic acid, 1,3-propanediylbis[(2,2,6,6-tetramethyl-4-piperidinyl)-, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester (9CI) (CA INDEX NAME)				

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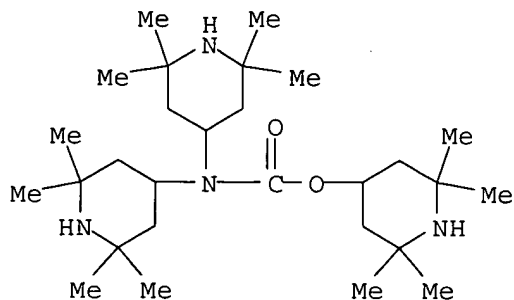


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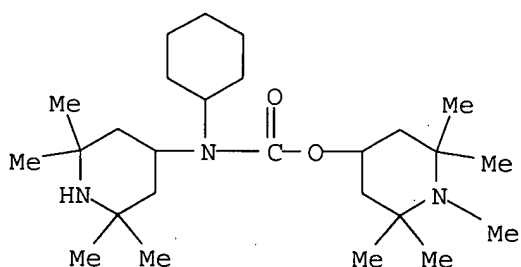
RN 79317-03-6 CAPLUS

CN Carbamic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl)-,
2,2,6,6-tetramethyl-4-piperidinyl ester (9CI) (CA INDEX NAME)



RN 79317-05-8 CAPLUS

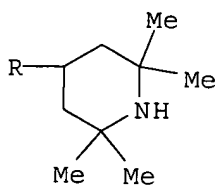
CN Carbamic acid, cyclohexyl(2,2,6,6-tetramethyl-4-piperidinyl)-,
1,2,2,6,6-pentamethyl-4-piperidinyl ester (9CI) (CA INDEX NAME)



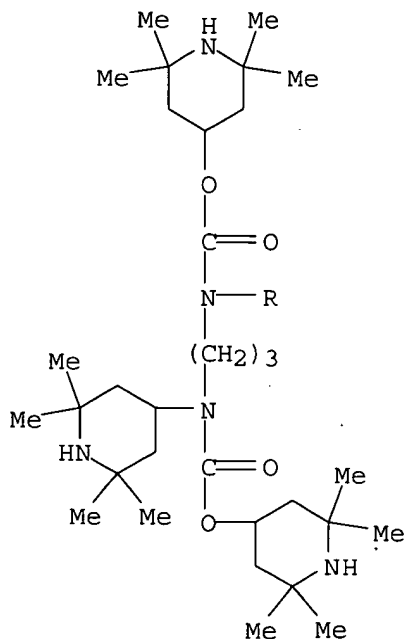
RN 79317-11-6 CAPLUS

CN Carbamic acid, 1,3-propanediylbis[(2,2,6,6-tetramethyl-4-piperidinyl)-,
bis(2,2,6,6-tetramethyl-4-piperidinyl) ester (9CI) (CA INDEX NAME)

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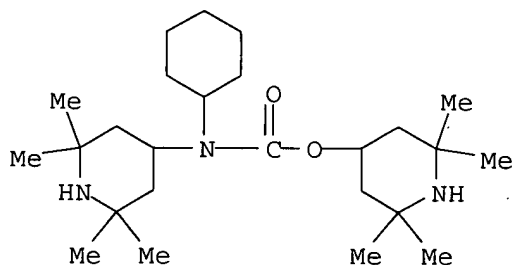


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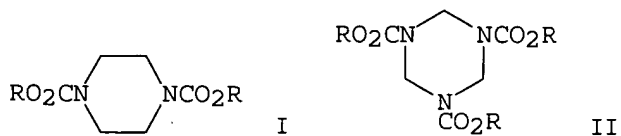


RN 79317-13-8 CAPLUS

CN Carbamic acid, cyclohexyl(2,2,6,6-tetramethyl-4-piperidyl)-,
2,2,6,6-tetramethyl-4-piperidyl ester (9CI) (CA INDEX NAME)



GI



AB Fifteen compds. $\text{RO}_2\text{CNR}_1\text{R}_2$, $(\text{RO}_2\text{CNR}_1\text{CH}_2)_2\text{CH}_2$, $[\text{RO}_2\text{CNR}_1(\text{CH}_2)_3]_2$, $(\text{RO}_2\text{CNR}_2\text{CH}_2)_2$, $(\text{RO}_2\text{CNR}_2\text{CH}_2\text{CH}_2)_2\text{NCO}_2\text{R}$, and $\text{RO}_2\text{CNR}_1(\text{CH}_2\text{CH}_2\text{NR}_1)_3\text{CO}_2\text{R}$, 2 compds. I, and 2 compds. II in which R and R₁ are the same or different and are 2,2,6,6-tetramethyl-4-piperidyl, 1,2,2,6,6-pentamethyl-4-piperidyl, 1-acetyl-2,2,6,6-tetramethyl-4-piperidyl, or piperidino and R₂

is R, R1, H, Bu, C8H17, or cyclohexyl are prepd. for use as light and heat stabilizers in polymers such as polyolefins. Thus, 2,2,6,6-tetramethyl-4-piperidyl N-butyl-N-(2,2,6,6-tetramethyl-4-piperidyl)carbamate (III) [79317-15-0] was prepd. from N-butyl-N-(ethoxycarbonyl)-2,2,6,6-tetramethyl-4-piperidinamine [79316-96-4] and 2,2,6,6-tetramethyl-4-piperidinol [2403-88-5]. Polypropylene [9003-07-0] contg. 0.2% III and 0.1% phenolic antioxidant lost 50% of its strength after 2320 h of accelerated weathering in UV light at 63.degree., compared with 300 h with 2-hydroxy-4-octyloxybenzophenone instead of III.

L5 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1980:532380 CAPLUS
 DN 93:132380
 TI N-Aryl-N-(4-piperidinyl)arylacetamides
 IN Hermans, Hubert K. F.; Sanczuk, Stefan
 PA Janssen Pharmaceutica N. V., Belg.
 SO U.S., 24 pp. Division of U. S. 4,126,689.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4197303	A	19800408	US 1978-924530	19780713
				US 1975-615131	19750923
				US 1976-700351	19760628
				US 1976-700352	19760628
				US 1976-700635	19760628
				US 1976-700636	19760628
				US 1976-700637	19760628
				US 1976-700638	19760628
				US 1976-700694	19760628
				US 1976-713756	19760812
				US 1977-795669	19770511
	ZA 7605684	A	19780426	ZA 1976-5684	19760922
				US 1975-615131	19750923
	BE 846473	A2	19770323	BE 1976-170847	19760923
				US 1975-615131	19750923
	US 4126689	A	19781121	US 1977-795669	19770511
				US 1975-615131	19750923
				US 1976-700351	19760628
				US 1976-700352	19760628
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PATENT FAMILY INFORMATION:

FAN 1977:453094

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2642856	A1	19770324	DE 1976-2642856	19760923
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	NO 147672	C	19830525		
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	FR 2325377	B1	19800418		
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	AU 510029	B2	19800605		
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	CA 1068271	A1	19791218	CA 1976-261551	19760920
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ES 451768	A1	19780501	ES 1976-451768	19760922
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HU 172964	P	19790128	HU 1976-JA767	19760922
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AT 7607029	A	19810215	AT 1976-7029	19760922
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CS 222663	P	19830729	CS 1976-6139	19760922
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BE 846473	A2	19770323	BE 1976-170847	19760923
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SU 747424	D	19800723	SU 1976-2405548	19760923
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DK 8404534	A	19840921	DK 1984-4534	19840921
DK 153474	B	19880718		
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FAN 1979:121243				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 4126689	A	19781121	US 1977-795669	19770511
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ZA 7605684	A	19780426	ZA 1976-5684	19760922
			US 1975-615131	19750923
BE 846473	A2	19770323	BE 1976-170847	19760923
			US 1975-615131	19750923
US 4151286	A	19790424	US 1978-924490	19780713
			US 1975-615131	19750923
			US 1976-713756	19760812
			US 1977-795669	19770511
US 4157393	A	19790605	US 1978-924533	19780713
			US 1975-615131	19750923
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			US 1977-795669	19770511
US 4196210	A	19800401	US 1978-924484	19780713
			US 1975-615131	19750923
			US 1976-700351	19760628
			US 1976-700352	19760628
			US 1976-700635	19760628
			US 1976-700636	19760628

			US 1976-700637	19760628
			US 1976-700638	19760628
			US 1976-713756	19760812
US 4197304	A	19800408	US 1977-795669	19770511
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			US 1975-615131	19750923
			US 1976-713756	19760812
US 4197303	A	19800408	US 1977-795669	19770511
			US 1978-924530	19780713
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			US 1976-700351	19760628
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			US 1976-700636	19760628
			US 1976-700637	19760628
			US 1976-700638	19760628
			US 1976-700694	19760628
			US 1976-713756	19760812
US 4198411	A	19800415	US 1977-795669	19770511
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			US 1976-700635	19760628
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			US 1976-700637	19760628
			US 1976-700638	19760628
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US 4208418	A	19800617	US 1977-795669	19770511
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US 4225606	A	19800930	US 1977-795669	19770511
			US 1978-924486	19780713
			US 1975-615131	19750923
			US 1976-713756	19760812
			US 1977-795669	19770511
DK 8404534	A	19840921	DK 1984-4534	19840921
DK 153474	B	19880718		
DK 153474	C	19881205		

US 1975-615131	19750923
US 1976-713756	19760812
DK 1976-4278	19760922

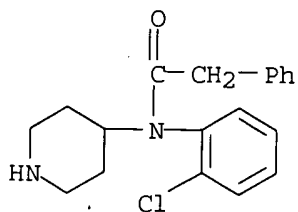
IT 63258-70-8P 63258-75-3P 63258-78-6P
63258-86-6P 63258-92-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antiarrhythmic activity of)

RN 63258-70-8 CAPLUS

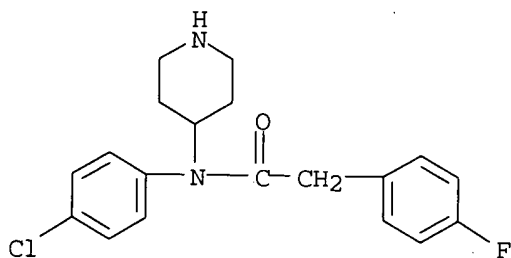
CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX

NAME)



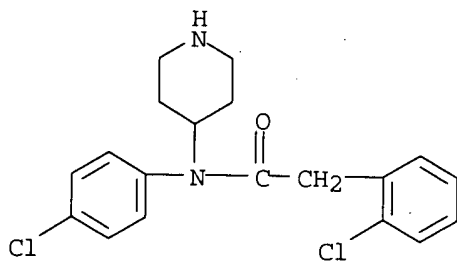
RN 63258-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



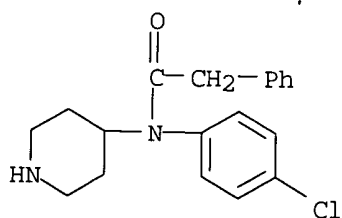
RN 63258-78-6 CAPLUS

CN Benzeneacetamide, 2-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-86-6 CAPLUS

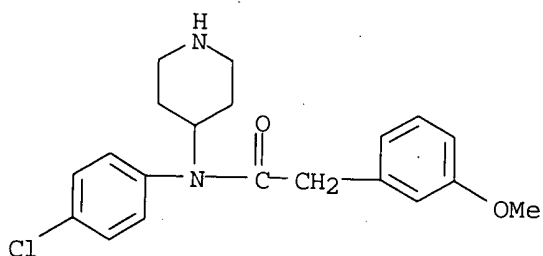
CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 63258-92-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

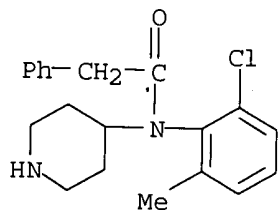


IT 63258-71-9P 63258-72-0P 63258-73-1P
 63258-74-2P 63258-76-4P 63258-77-5P
 63258-79-7P 63258-80-0P 63258-81-1P
 63258-82-2P 63258-84-4P 63258-87-7P
 63258-90-2P 63258-91-3P 63260-75-3P
 63260-76-4P 74555-85-4P 74555-86-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and N-alkylation of)

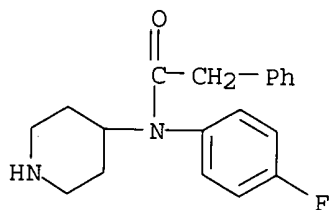
RN 63258-71-9 CAPLUS

CN Benzeneacetamide, N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



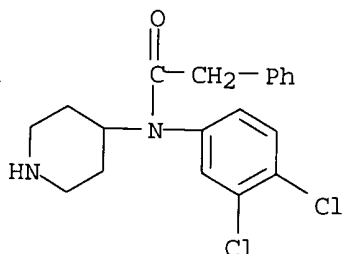
RN 63258-72-0 CAPLUS

CN Benzeneacetamide, N-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



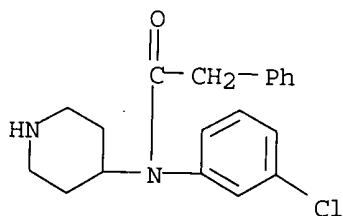
RN 63258-73-1 CAPLUS

CN Benzeneacetamide, N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



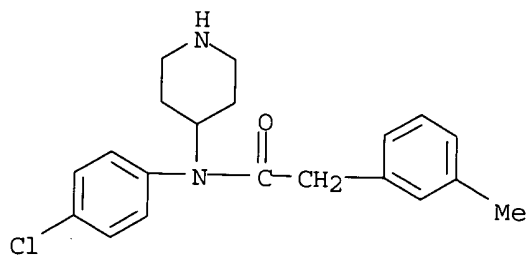
RN 63258-74-2 CAPLUS

CN Benzeneacetamide, N-(3-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-76-4 CAPLUS

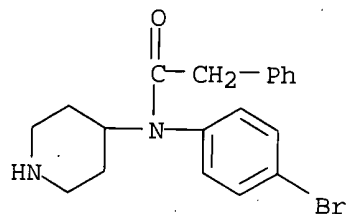
CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-77-5 CAPLUS

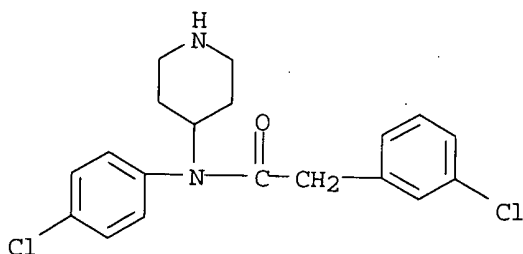
CN Benzeneacetamide, N-(4-bromophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

NAME)



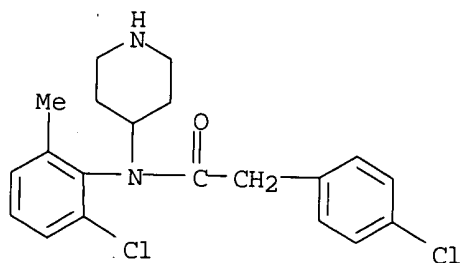
RN 63258-79-7 CAPLUS

CN Benzeneacetamide, 3-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



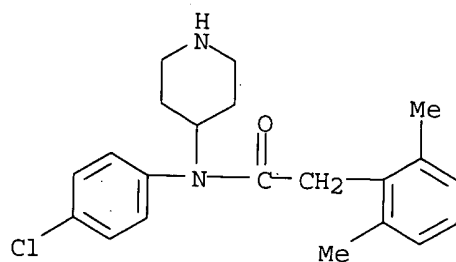
RN 63258-80-0 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



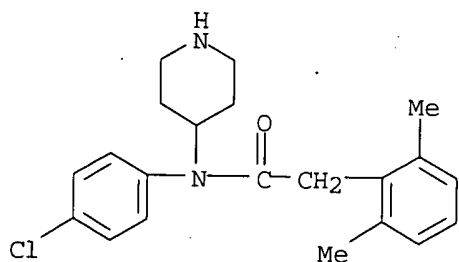
RN 63258-81-1 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-2,6-dimethyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)

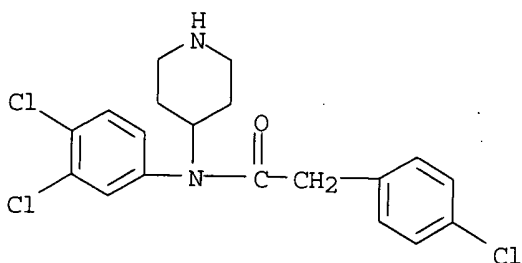


Patel

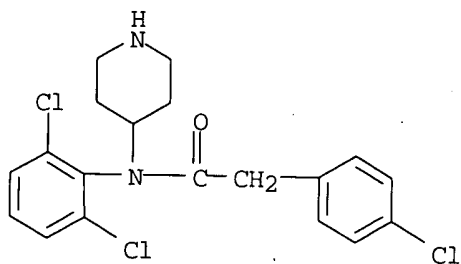
<6/13/2003>



RN 63258-82-2 CAPLUS

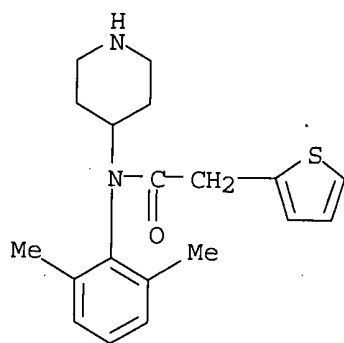
CN Benzeneacetamide, 4-chloro-N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 63258-84-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2,6-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

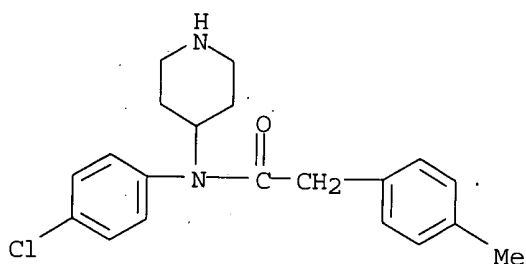
RN 63258-87-7 CAPLUS

CN 2-Thiopheneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA
INDEX NAME)



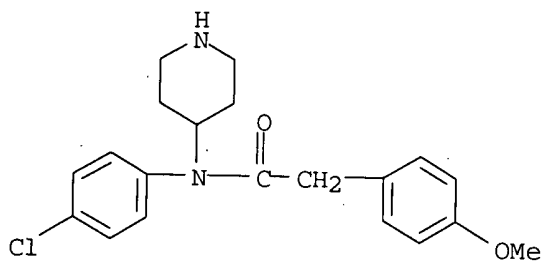
RN 63258-90-2 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



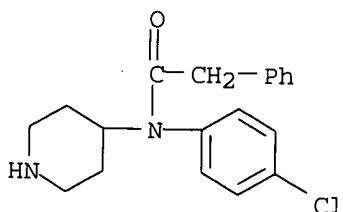
RN 63258-91-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



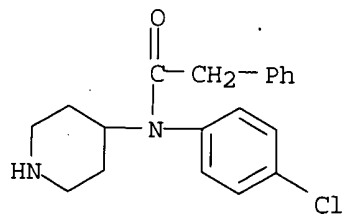
RN 63260-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



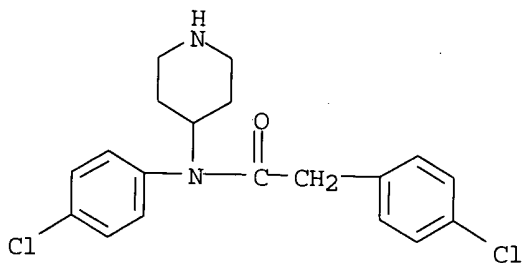
Patel

<6/13/2003>



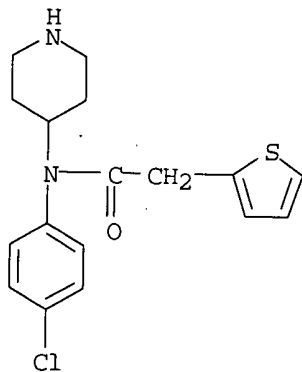
RN 63260-76-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



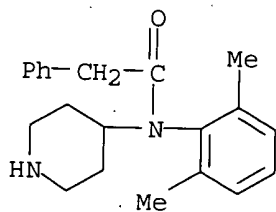
RN 74555-85-4 CAPLUS

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 74555-86-5 CAPLUS

CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

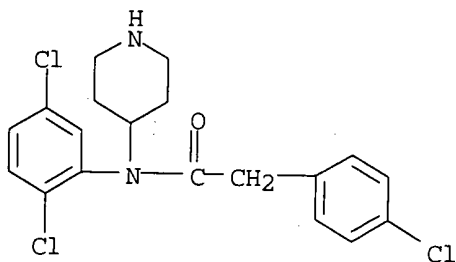


IT 63258-83-3P 63258-85-5P 63258-88-8P

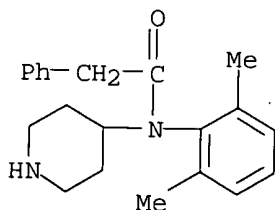
63258-89-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 63258-83-3 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

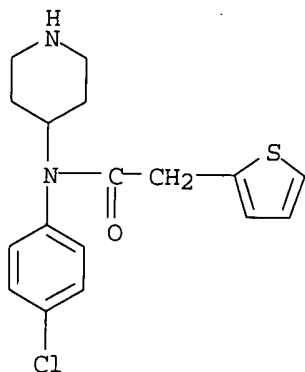
RN 63258-85-5 CAPLUS

CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
monohydrobromide (9CI) (CA INDEX NAME)

● HBr

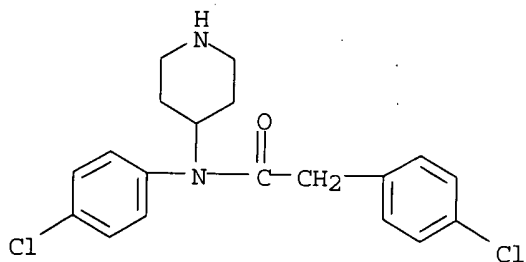
RN 63258-88-8 CAPLUS

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



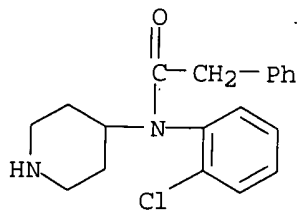
● HCl

RN 63258-89-9 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-,
 monohydrochloride (9CI) (CA INDEX NAME)



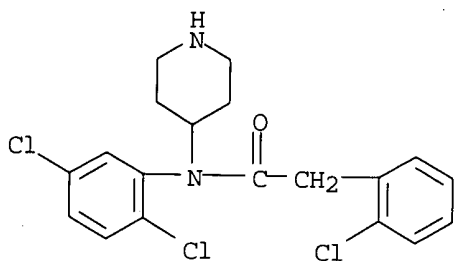
● HCl

IT **63258-70-8 74555-75-2**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (N-alkylation of)
 RN 63258-70-8 CAPLUS
 CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX
 NAME)

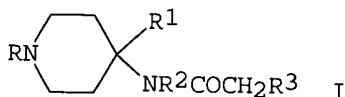


RN 74555-75-2 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)

(CA INDEX NAME)



GI



AB **Piperidines I** (R = cycloalkyl; R1 = alkoxy carbonyl; R2 = Ph, halophenyl, alkylphenyl; R3 = Ph, halo-, alkyl-, hydroxy-, or alkoxyphenyl), which exhibited antiarrhythmic activity, were prep'd. For example, I (R = R1 = H, R2 = 4-ClC6H4, R3 = 2-thienyl) was treated with Me2CHBr to give I (R = CHMe2, R1 = H, R2 = 4-ClC6H4, R3 = 2-thienyl). Reaction of Me 1-isopropyl-4-anilino-4-piperidinecarboxylate with 4-ClC6H4CH2COCl give I (R = CHMe2, R1 = CO2Me, R2 = Ph, R3 = 4-ClC6H4).

L5 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:594174 CAPLUS
 DN 91:194174
 TI Compositions for stabilizing plastics against light
 IN Moser, Paul; Rody, Jean; Karrer, Friedrich
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 81 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1840	A2	19790516	EP 1978-101303	19781103
	R: BE, CH, DE, FR, GB, NL, SE				
	US 4256627	A	19810317	CH 1977-13587	19771108
				US 1978-956716	19781101
				CH 1977-13587	19771108
	JP 54095650	A2	19790728	JP 1978-137759	19781108
				CH 1977-13587	19771108

IT 71883-08-4

RL: USES (Uses)

(light stabilizers, contg. divalent metal salts, for plastics)

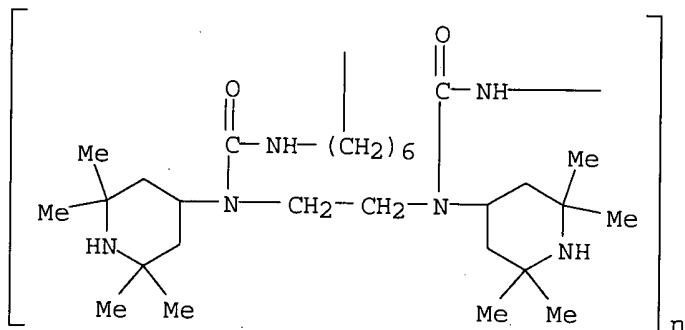
RN 71883-08-4 CAPLUS

CN Poly[iminocarbonyl[(2,2,6,6-tetramethyl-4-piperidiny)imino]-1,2-ethanediyl[(2,2,6,6-tetramethyl-4-piperidiny)imino]carbonylimino-1,6-

Patel

<6/13/2003>

hexanediyl] (9CI) (CA INDEX NAME)



AB The extn. and migration of alkylpiperidine deriv. polymer light stabilizers in polypropylene (I) [9003-07-0] are reduced by treatment with Ni or Zn carboxylates or enolates. Thus, a PhMe soln. of 10.6 g 4-amino-2,2,6,6-tetramethylpiperidine-epichlorohydrin copolymer [71882-75-2] (mol. wt. 890) and 8.15 g (C₆H₁₃CO₂)₂Ni.0.5H₂O [67630-07-3] is evapd. at 60.degree./11 mm to give a light-green powder. I contg. 0.15 phr this powder and 0.1 phr pentaerythritol tetrakis[3-(3,5,di-tert-butyl-4-hydroxyphenyl)propionate] loses 50% of its strength after 4820 h in Xenotesting, compared with 480 h for a control.

L5 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:121243 CAPLUS
 DN 90:121243
 TI N-Aryl-N-(1-alkyl-4-piperidinyl)arylacetamides
 IN Sanczuk, Stefan; Hermans, Hubert K. F.
 PA Janssen Pharmaceutica N. V., Belg.
 SO U.S., 24 pp..
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4126689	A	19781121	US 1977-795669	19770511
				US 1975-615131	19750923
				US 1976-700351	19760628
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				US 1976-700636	19760628
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				US 1976-700694	19760628
				US 1976-713756	19760812
				ZA 1976-5684	19760922
				US 1975-615131	19750923
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US 4197304	A	19800408	US 1977-795669	19770511
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DK 8404534	A	19840921	DK 1984-4534	19840921
DK 153474	B	19880718		
DK 153474	C	19881205		
			US 1975-615131	19750923
			US 1976-713756	19760812

PATENT FAMILY INFORMATION:

FAN 1977:453094

PATENT NO. KIND DATE			DK 1976-4278 19760922	
PATENT NO. KIND DATE			APPLICATION NO.	DATE
PI	DE 2642856	A1	19770324	DE 1976-2642856 19760923
	DE 2642856	C2	19900621	
	NO 7603054	A	19770324	US 1975-615131 19750923
	NO 147672	B	19830214	US 1976-713756 19760812
	NO 147672	C	19830525	NO 1976-3054 19760906
	FR 2325377	A1	19770422	US 1975-615131 19750923
	FR 2325377	B1	19800418	US 1976-713756 19760812
				FR 1976-27870 19760916
	AU 7617878	A1	19780323	US 1975-615131 19750923
	AU 510029	B2	19800605	US 1976-713756 19760812
				AU 1976-17878 19760917
	CA 1068271	A1	19791218	US 1975-615131 19750923
				US 1976-713756 19760812
				CA 1976-261551 19760920
	RO 70079	P	19821026	US 1975-615131 19750923
				US 1976-713756 19760812
	JP 52039683	A2	19770328	RO 1976-87590 19760920
	JP 60016417	B4	19850425	US 1975-615131 19750923
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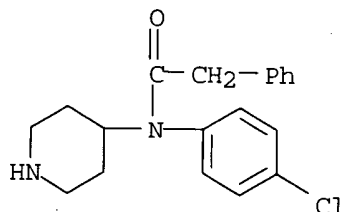
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IT 63258-86-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and antiarrhythmic activity of)

RN 63258-86-6 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



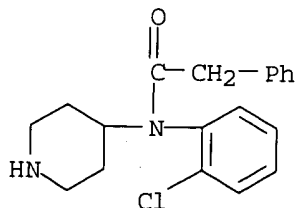
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IT 63258-70-8P 63258-71-9P 63258-72-0P
63258-73-1P 63258-74-2P 63258-75-3P
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63258-79-7P 63258-80-0P 63258-81-1P
63258-82-2P 63258-83-3P 63258-84-4P
63258-87-7P 63258-88-8P 63258-90-2P
63258-91-3P 63258-92-4P 63260-75-3P
63260-76-4P 69385-87-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and N-alkylation of)

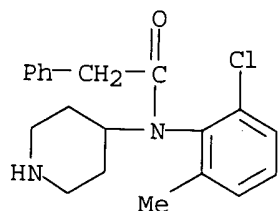
RN 63258-70-8 CAPLUS

CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



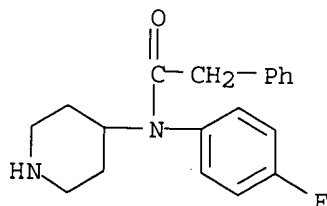
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CN Benzeneacetamide, N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



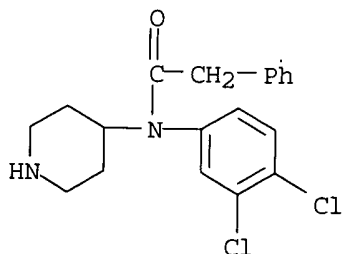
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CN Benzeneacetamide, N-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



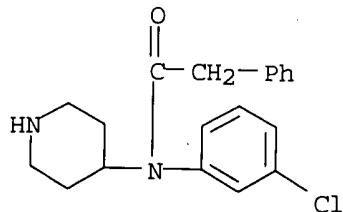
RN 63258-73-1 CAPLUS

CN Benzeneacetamide, N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



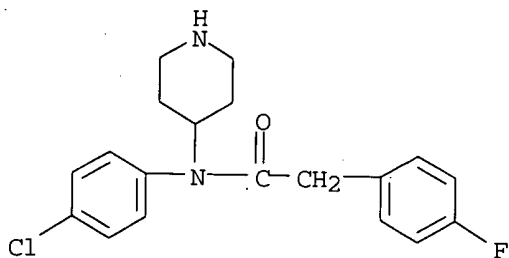
RN 63258-74-2 CAPLUS

CN Benzeneacetamide, N-(3-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



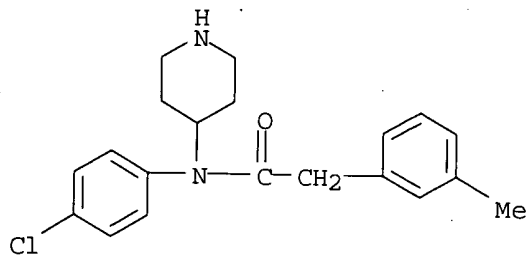
RN 63258-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



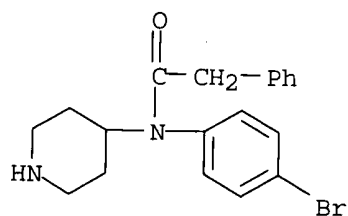
RN 63258-76-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



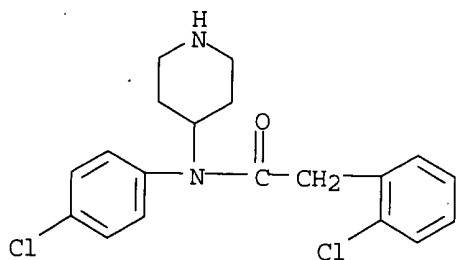
RN 63258-77-5 CAPLUS

CN Benzeneacetamide, N-(4-bromophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

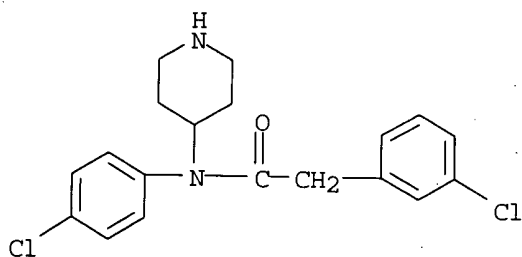


RN 63258-78-6 CAPLUS

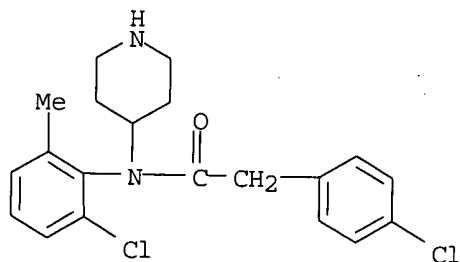
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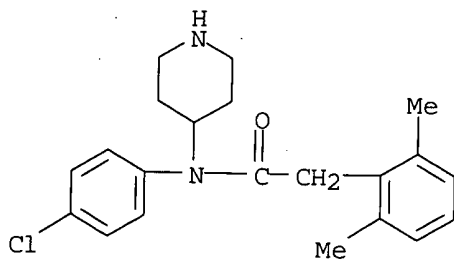
RN 63258-79-7 CAPLUS
CN Benzeneacetamide, 3-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



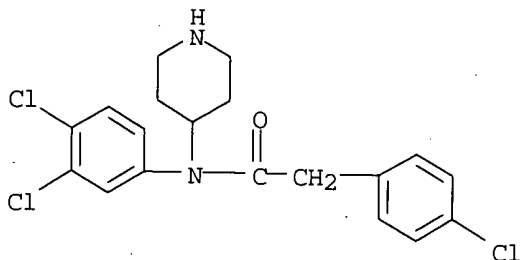
RN 63258-80-0 CAPLUS
CN Benzeneacetamide, 4-chloro-N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



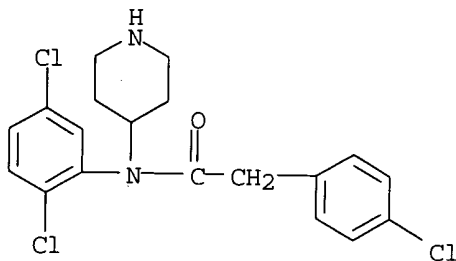
RN 63258-81-1 CAPLUS
CN Benzeneacetamide, N-(4-chlorophenyl)-2,6-dimethyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



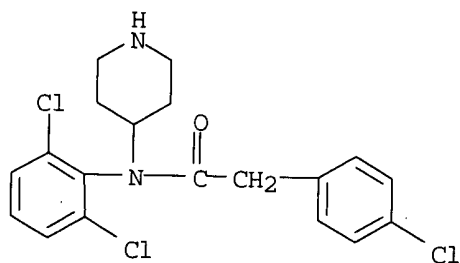
RN 63258-82-2 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 63258-83-3 CAPLUS

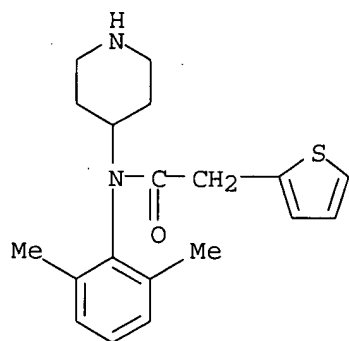
CN Benzeneacetamide, 4-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 63258-84-4 CAPLUS

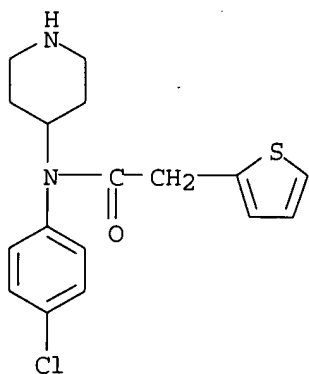
CN Benzeneacetamide, 4-chloro-N-(2,6-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 63258-87-7 CAPLUS

CN 2-Thiopheneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA
INDEX NAME)

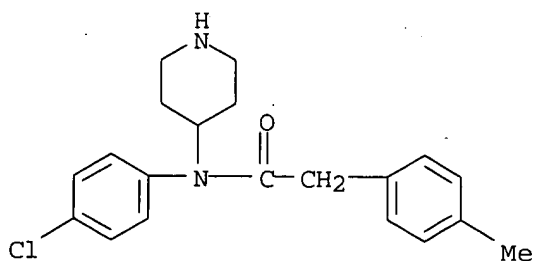


RN 63258-88-8 CAPLUS

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)

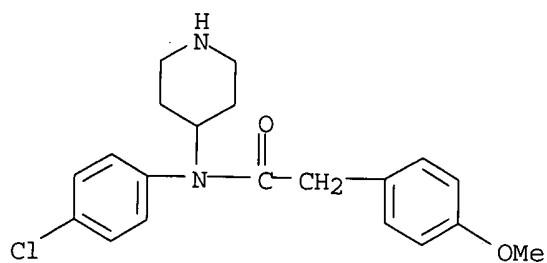
● HCl

RN 63258-90-2 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methyl-N-4-piperidinyl- (9CI) (CA
INDEX NAME)

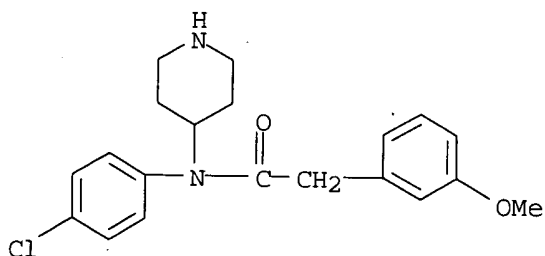
RN 63258-91-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methoxy-N-4-piperidinyl- (9CI) (CA
INDEX NAME)



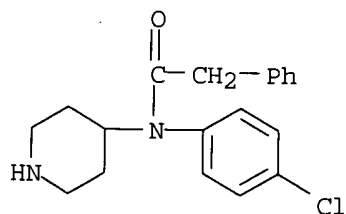
RN 63258-92-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



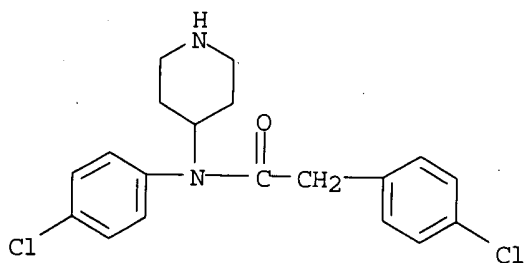
RN 63260-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

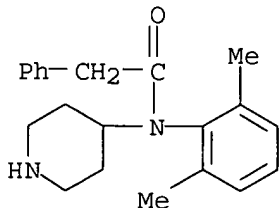


RN 63260-76-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 69385-87-1 CAPLUS

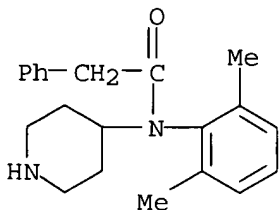
CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)

● HCl

IT 63258-85-5P 63258-88-8P 63258-89-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

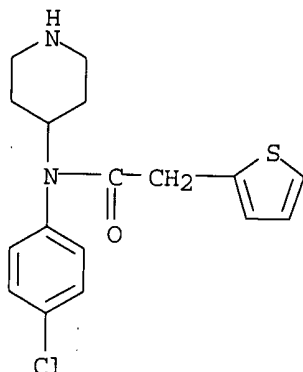
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CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
monohydrobromide (9CI) (CA INDEX NAME)

● HBr

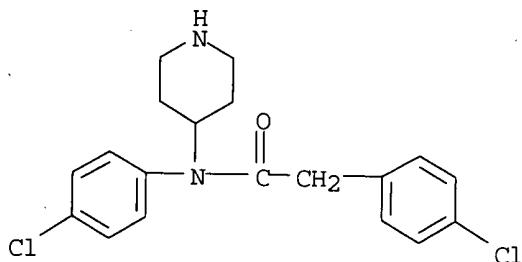
RN 63258-88-8 CAPLUS

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



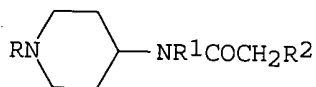
● HCl

RN 63258-89-9 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-,
 monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



I

AB Title amides I (R = C1-10 alkyl; R1 = Ph, halophenyl, alkylphenyl; R2 = Ph, halophenyl, alkylphenyl, hydroxyphenyl, alkoxyphenyl), which exhibited antiarrhythmic activity (data tabulated), were prepd. by N-alkylation of N-phenyl-N-(4-piperidinyl)-2-phenylacetamides and by N-acylation of 1-alkyl-4-anilinopiperidines. I (R = H, R1 = 4-ClC6H4, R2 = Ph) was heated with Me2CHBr, Na2CO3, KI, and BuOH to give I (R = CHMe2, R1 = 4-ClC6H4, R2 = Ph).

L5 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1977:453094 CAPLUS

Patel

<6/13/2003>

DN 87:53094
 TI N-Aryl-N-(4-piperidinyl)arylacetamides
 IN Sanczuk, Stefan; Hermans, Hubert K. F.
 PA Janssen Pharmaceutica N. V., Belg.
 SO Ger. Offen., 66 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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HU 172964 P 19790128

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PL 117323 B1 19810731

CS 222663 P 19830729

BE 846473 A2 19770323

SU 747424 D 19800723

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DK 153474 B 19880718
DK 153474 C 19881205

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PATENT FAMILY INFORMATION:

FAN 1979:121243

PATENT NO.	KIND	DATE
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APPLICATION NO. DATE

PI US 4126689 A 19781121

US 1977-795669 19770511

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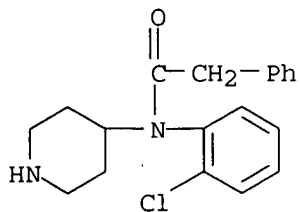
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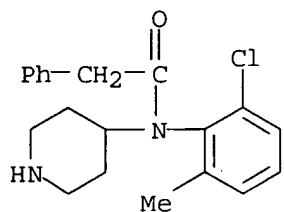
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study, unclassified); SPN (Synthetic preparation); BIOL (Biological				
study); PREP (Preparation)				
(prepn. and antiarrhythmic activity of)				
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CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX				
NAME)				



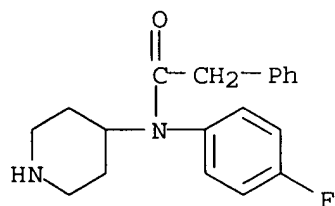
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CN Benzeneacetamide, N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



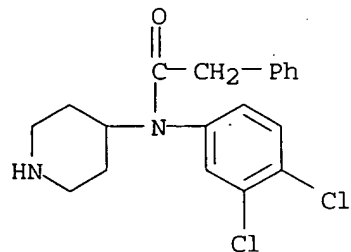
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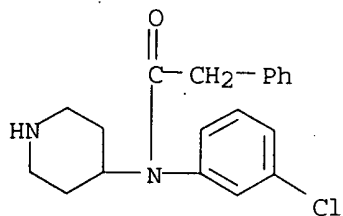
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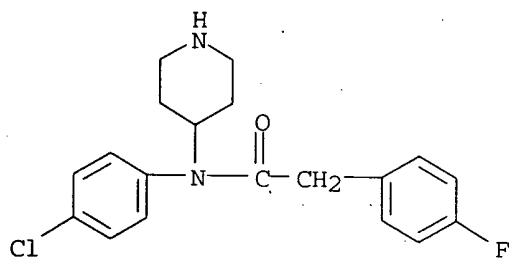
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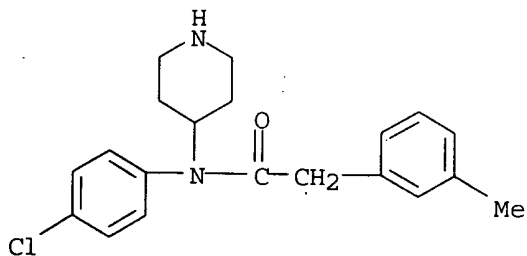
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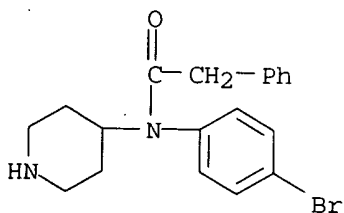
RN 63258-76-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-77-5 CAPLUS

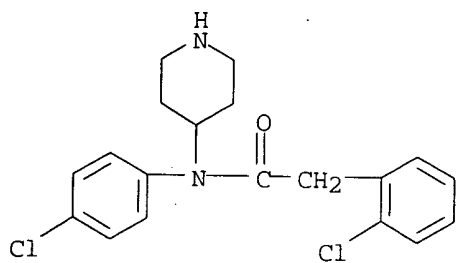
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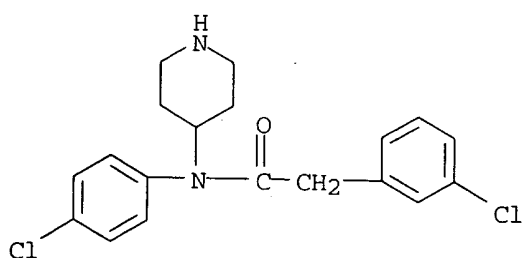
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INDEX NAME)



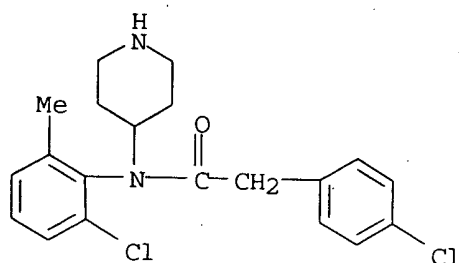
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CN Benzeneacetamide, 3-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



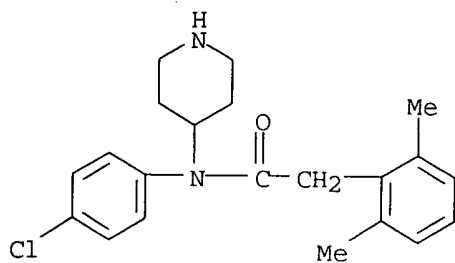
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CN Benzeneacetamide, 4-chloro-N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

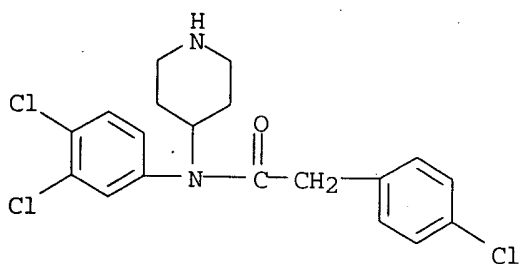


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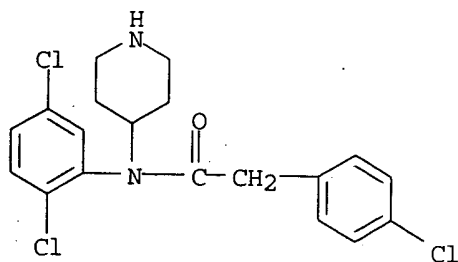
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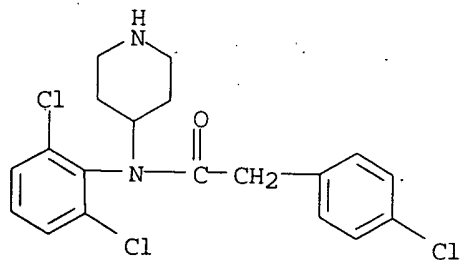
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(CA INDEX NAME)

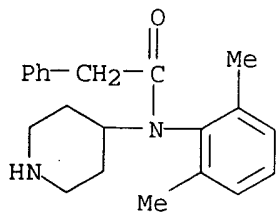
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(CA INDEX NAME)

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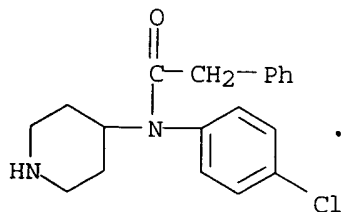
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(CA INDEX NAME)

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CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidiny-,
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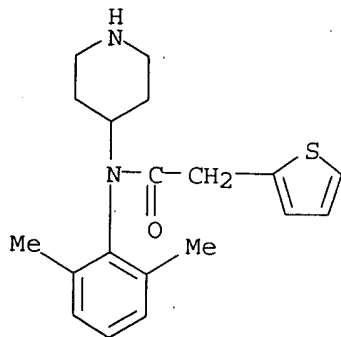
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RN 63258-86-6 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidiny-, monohydrochloride
(9CI) (CA INDEX NAME)

● HCl

RN 63258-87-7 CAPLUS

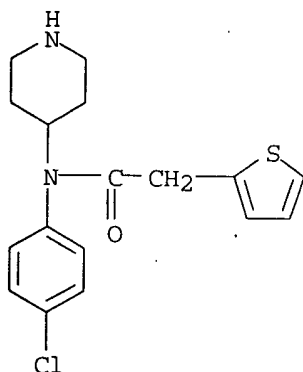
CN 2-Thiopheneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidiny- (9CI) (CA
INDEX NAME)

RN 63258-88-8 CAPLUS

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<6/13/2003>

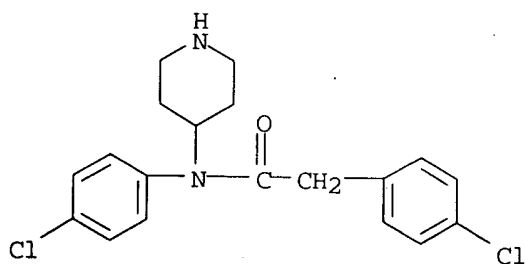
CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
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● HCl

RN 63258-89-9 CAPLUS

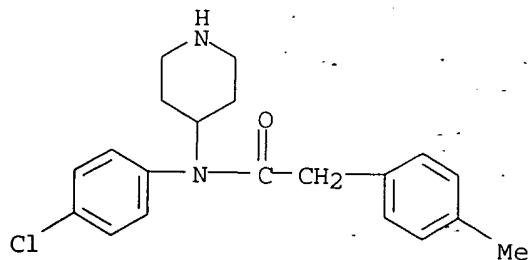
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● HCl

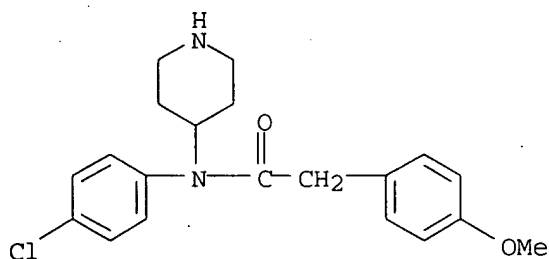
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CN Benzeneacetamide, N-(4-chlorophenyl)-4-methyl-N-4-piperidinyl-, (9CI) (CA
INDEX NAME)



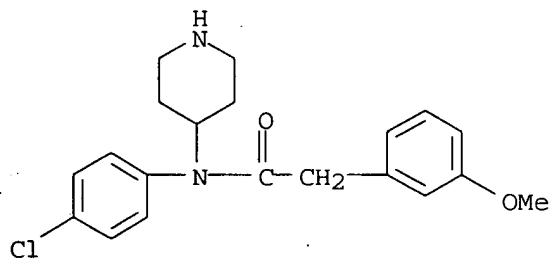
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CN Benzeneacetamide, N-(4-chlorophenyl)-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-92-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

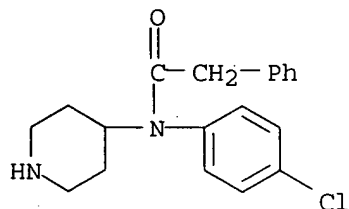


IT 63260-75-3

RL: RCT (Reactant); RACT (Reactant or reagent)
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RN 63260-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

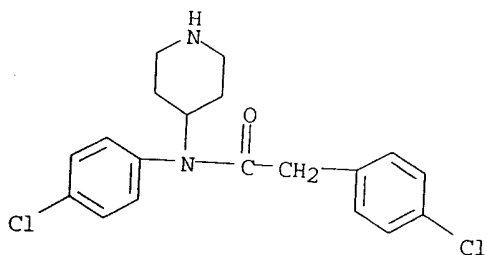


IT 63260-76-4

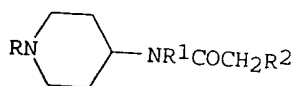
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with propyl iodide)

RN 63260-76-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



GI



I

AB About 165 (piperidinyl)arylacetamides I ($R = H, Et, Me_2CH, CO_2Et, cyclopentyl, etc.$; $R_1 = Ph, 4-ClC_6H_4, 2,6-Me_2C_6H_3, 2-pyridyl, etc.$; $R_2 = Ph, 4-MeC_6H_4, 3-ClC_6H_4, 2-thienyl, etc.$) and analogs, having antiarrhythmic activity in dogs, were prepd. Thus, reaction of 159.5 parts 4- $ClC_6H_4NH_2$ with 172.1 parts Et 4-oxo-1-piperidinecarboxylate in PhMe in presence of 4- $MeC_6H_4SO_3H$ gives after 7 h reflux 192 parts Et 4-[(4-chlorophenyl)imino]-1-piperidinecarboxylate, which on treatment with $NaBH_4$ in MeOH at 50.degree. gives after 3 h 122 parts Et 4-(4-chloroanilino)-1-piperidinecarboxylate (II). Reaction of 58 parts II. with 46.2 parts $PhCH_2COCl$ in C_6H_6 at 40-70.degree. and reflux for 6.25 h gives 47 parts I ($R = CO_2Et, R_1 = 4-ClC_6H_4, R_2 = Ph$).

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DN 87:53094
TI N-Aryl-N-(4-piperidinyl)arylacetamides
IN Sanczuk, Stefan; Hermans, Hubert K. F.
PA Janssen Pharmaceutica N. V., Belg.
SO Ger. Offen., 66 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 3

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PI	DE 2642856	A1	19770324	DE 1976-2642856	19760923
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SE 427839 B 19830509
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NL 187267 C 19910801

ZA 7605684 A 19780426

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HU 172964 P 19790128

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CS 222663 P 19830729

BE 846473 A2 19770323

SU 747424 D 19800723

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DK 153474 C 19881205

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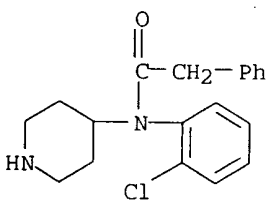
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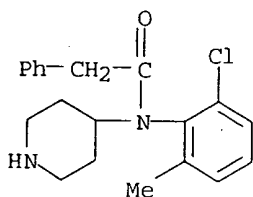
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	(prepn. and antiarrhythmic activity of)
RN	63258-70-8 CAPLUS
CN	Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



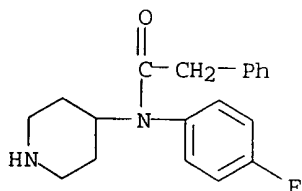
RN 63258-71-9 CAPLUS

CN Benzeneacetamide, N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



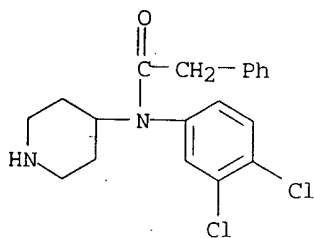
RN 63258-72-0 CAPLUS

CN Benzeneacetamide, N-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



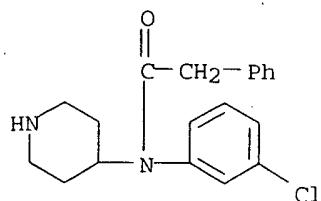
RN 63258-73-1 CAPLUS

CN Benzeneacetamide, N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

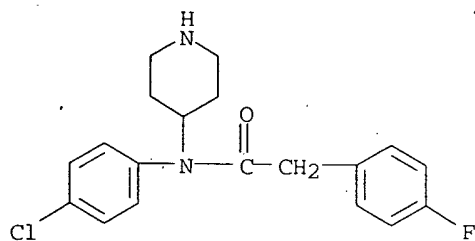


RN 63258-74-2 CAPLUS

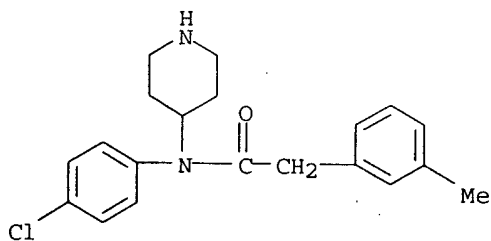
CN Benzeneacetamide, N-(3-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



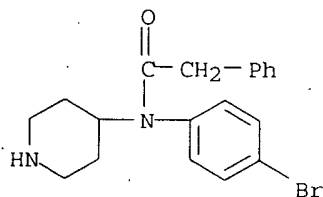
RN 63258-75-3 CAPLUS
 CN Benzeneacetamide, N-(4-chlorophenyl)-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-76-4 CAPLUS
 CN Benzeneacetamide, N-(4-chlorophenyl)-3-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)

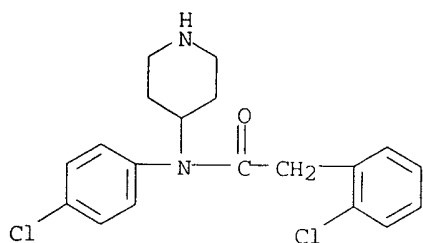


RN 63258-77-5 CAPLUS
 CN Benzeneacetamide, N-(4-bromophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



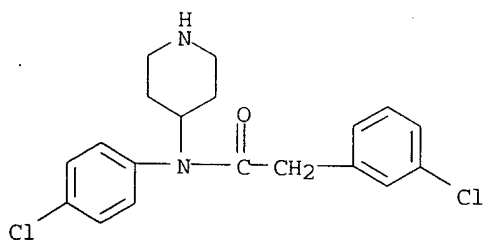
RN 63258-78-6 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

INDEX NAME)



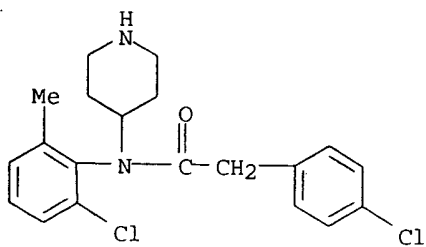
RN 63258-79-7 CAPLUS

CN Benzeneacetamide, 3-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



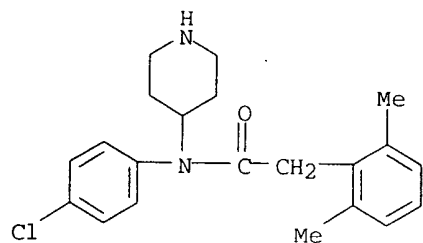
RN 63258-80-0 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

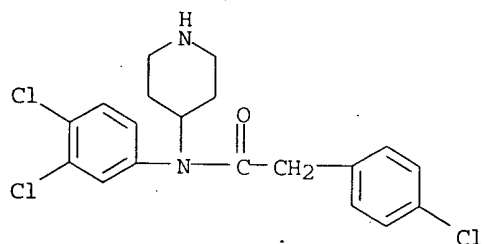


RN 63258-81-1 CAPLUS

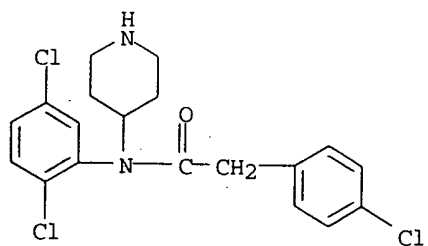
CN Benzeneacetamide, N-(4-chlorophenyl)-2,6-dimethyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



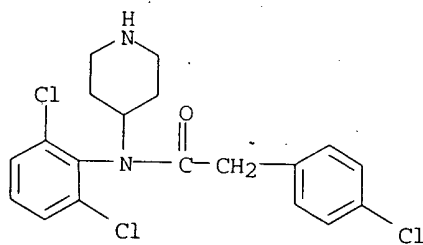
RN 63258-82-2 CAPLUS
CN Benzeneacetamide, 4-chloro-N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



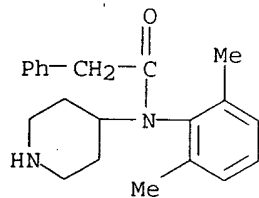
RN 63258-83-3 CAPLUS
CN Benzeneacetamide, 4-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



RN 63258-84-4 CAPLUS
CN Benzeneacetamide, 4-chloro-N-(2,6-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

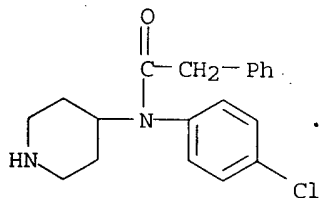


RN 63258-85-5 CAPLUS

CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
monohydrobromide (9CI) (CA INDEX NAME)

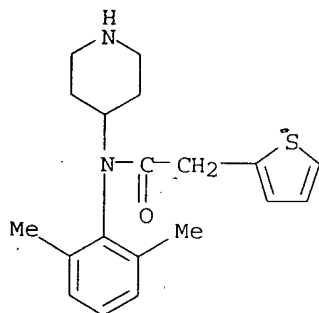
● HBr

RN 63258-86-6 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride
(9CI) (CA INDEX NAME)

● HCl

RN 63258-87-7 CAPLUS

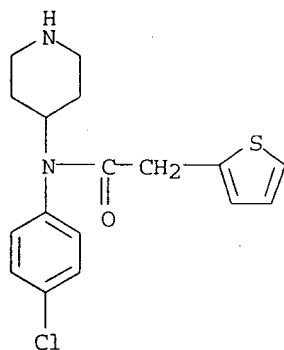
CN 2-Thiopheneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA
INDEX NAME)

RN 63258-88-8 CAPLUS

Patel

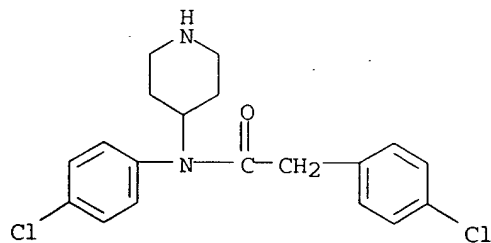
<6/13/2003>

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



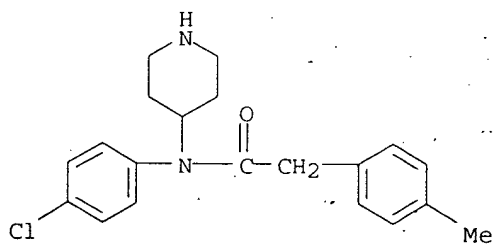
● HCl

RN 63258-89-9 CAPLUS
CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



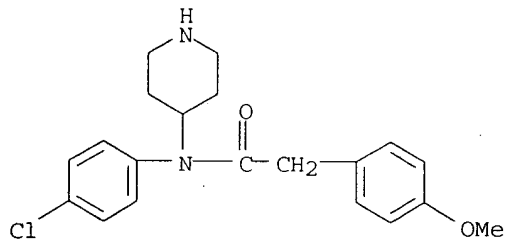
● HCl

RN 63258-90-2 CAPLUS
CN Benzeneacetamide, N-(4-chlorophenyl)-4-methyl-N-4-piperidinyl- (9CI) (CA
INDEX NAME)



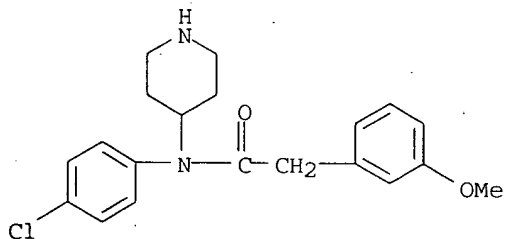
RN 63258-91-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-92-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

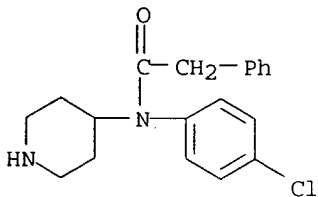


IT 63260-75-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with isopropyl bromide)

RN 63260-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



IT 63260-76-4

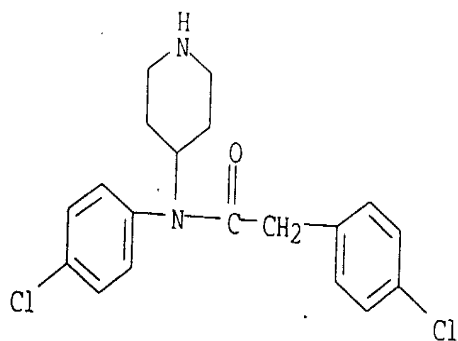
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with propyl iodide)

RN 63260-76-4 CAPLUS

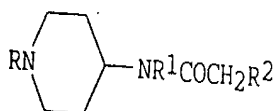
CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

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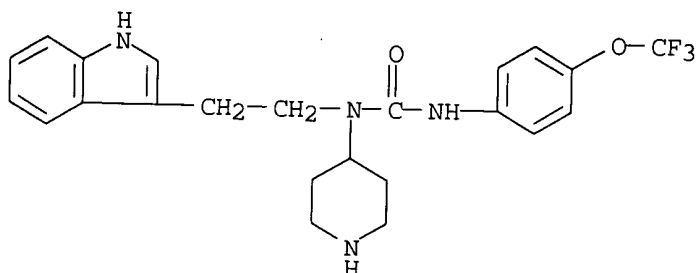


I

AB About 165 (piperidinyl)arylacetamides I ($R = H, Et, Me_2CH, CO_2Et, cyclopentyl, etc.$; $R_1 = Ph, 4-ClC_6H_4, 2,6-Me_2C_6H_3, 2-pyridyl, etc.$; $R_2 = Ph, 4-MeC_6H_4, 3-ClC_6H_4, 2-thienyl, etc.$) and analogs, having antiarrhythmic activity in dogs, were prepd. Thus, reaction of 159.5 parts 4- $ClC_6H_4NH_2$ with 172.1 parts Et 4-oxo-1-piperidinecarboxylate in PhMe in presence of 4- $MeC_6H_4SO_3H$ gives after 7 h reflux 192 parts Et 4-[(4-chlorophenyl)imino]-1-piperidinecarboxylate, which on treatment with $NaBH_4$ in MeOH at 50.degree. gives after 3 h 122 parts Et 4-(4-chloroanilino)-1-piperidinecarboxylate (II). Reaction of 58 parts II with 46.2 parts $PhCH_2COCl$ in C_6H_6 at 40-70.degree. and reflux for 6.25 h gives 47 parts I ($R = CO_2Et, R_1 = 4-ClC_6H_4, R_2 = Ph$).

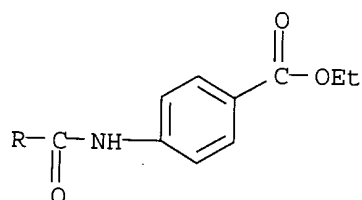
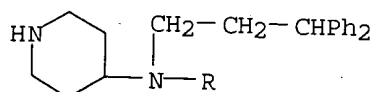
RN 344788-77-8 CAPLUS

CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



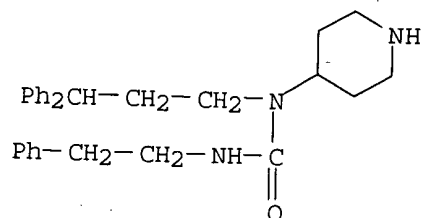
RN 344788-79-0 CAPLUS

CN Benzoic acid, 4-[[[(3,3-diphenylpropyl)-4-piperidinylamino]carbonyl]amino]-ethyl ester (9CI) (CA INDEX NAME)



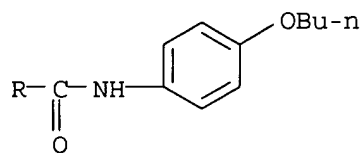
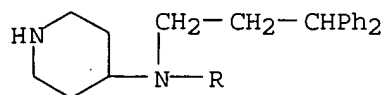
RN 344788-80-3 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



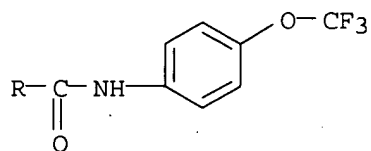
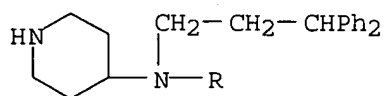
RN 344788-82-5 CAPLUS

CN Urea, N'-(4-butoxyphenyl)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



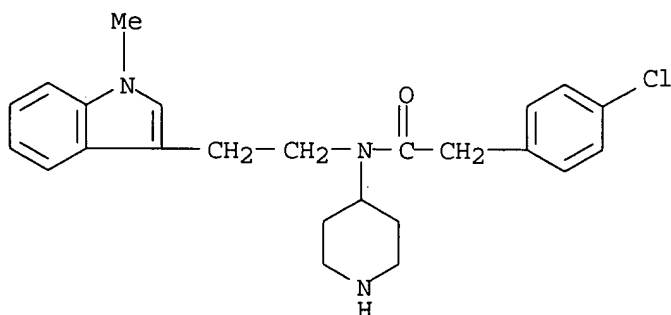
RN 344788-83-6 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



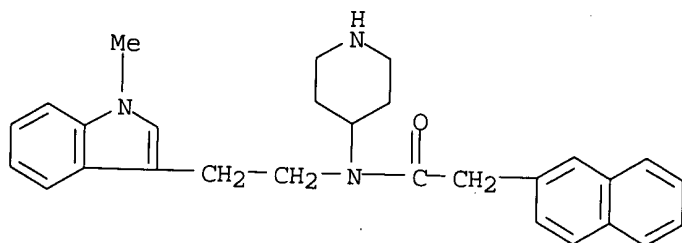
RN 344789-56-6 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



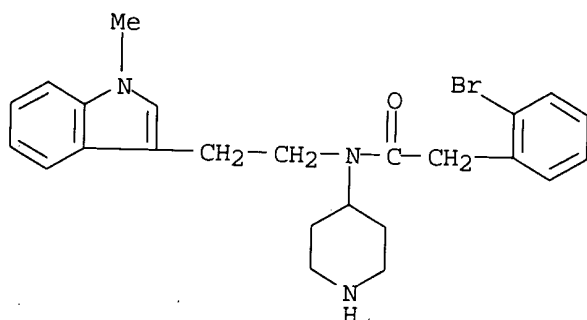
RN 344789-57-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



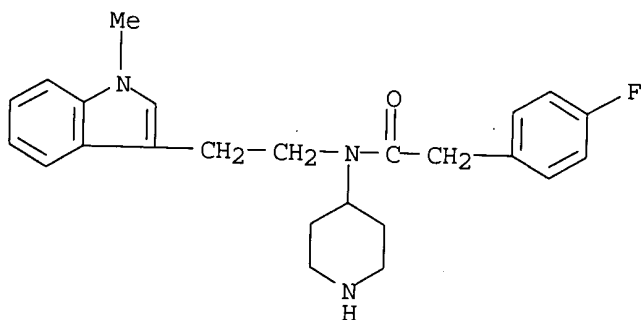
RN 344789-58-8 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



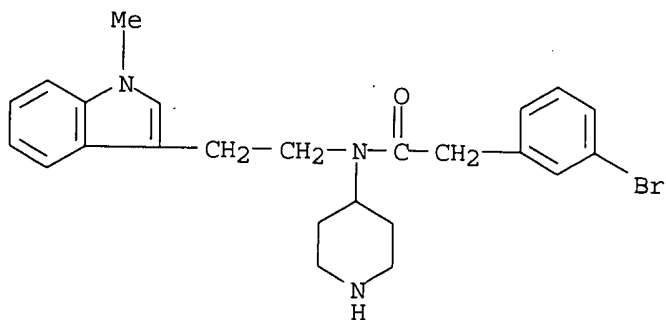
RN 344789-59-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



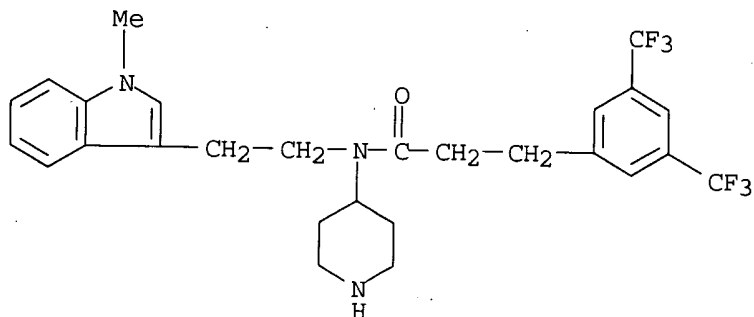
RN 344789-60-2 CAPLUS ..

CN Benzeneacetamide, 3-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



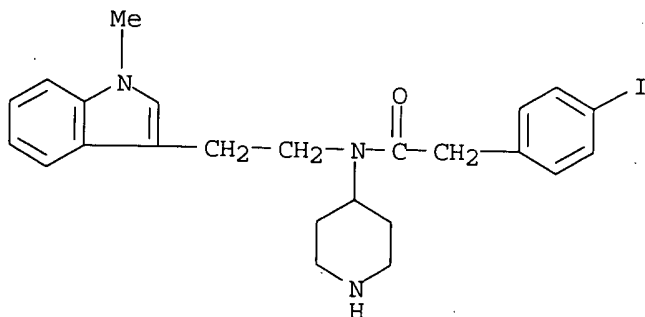
RN 344789-61-3 CAPLUS

CN Benzenepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



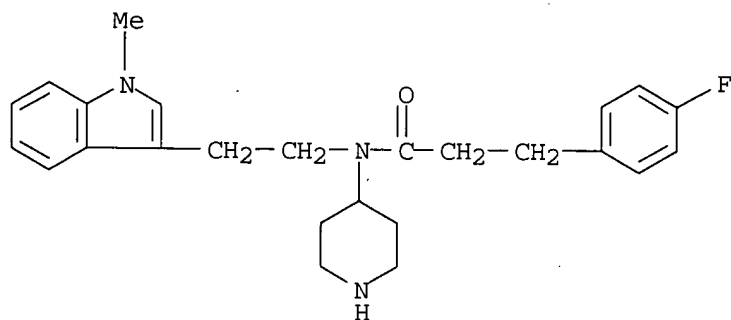
RN 344789-62-4 CAPLUS

CN Benzeneacetamide, 4-iodo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



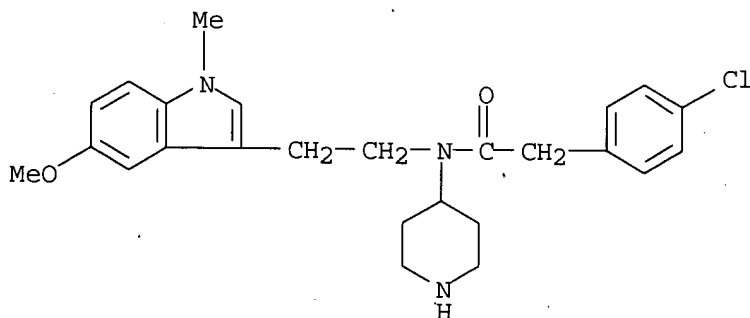
RN 344789-63-5 CAPLUS

CN Benzenepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-fluoro- (9CI) (CA INDEX NAME)



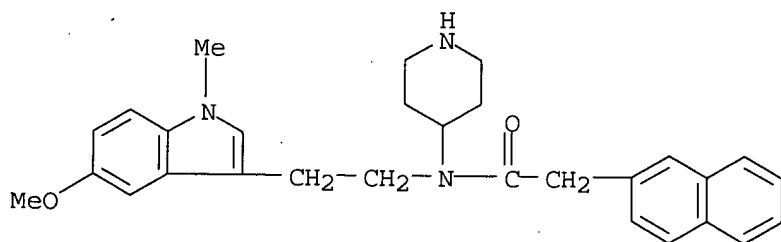
RN 344789-64-6 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



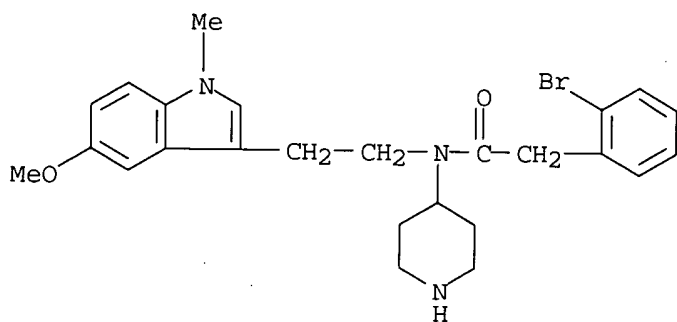
RN 344789-65-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



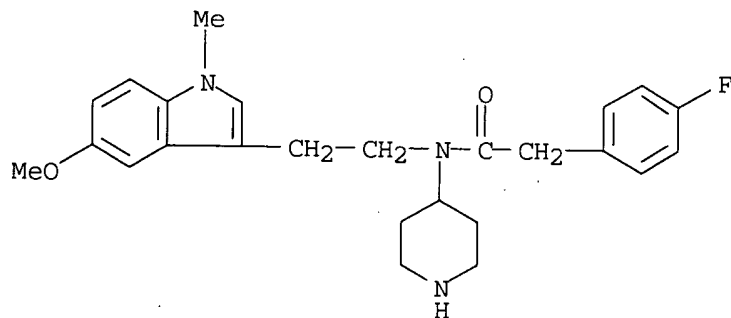
RN 344789-66-8 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



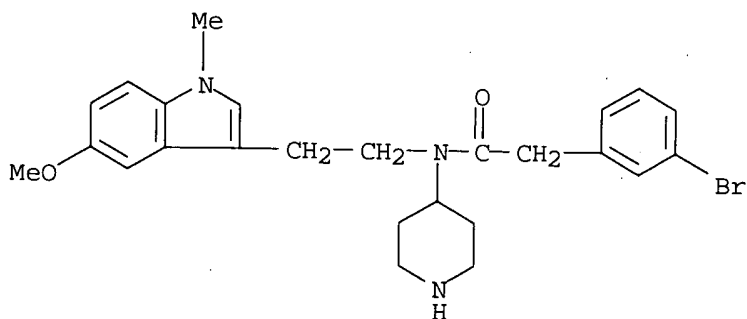
RN 344789-67-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



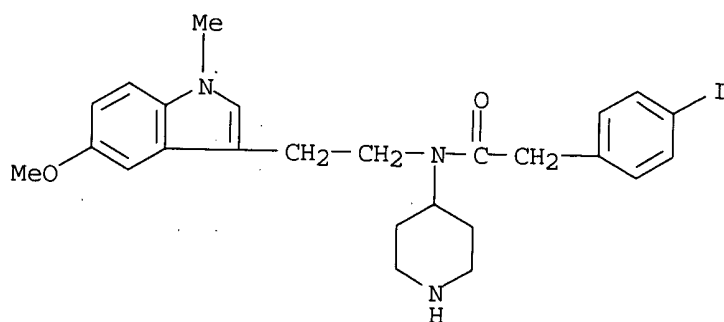
RN 344789-68-0 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



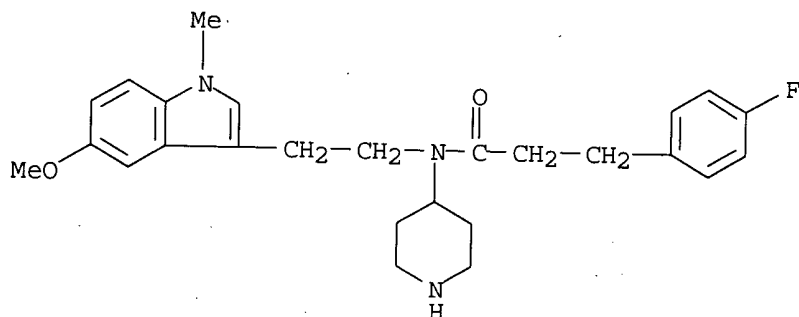
RN 344789-69-1 CAPLUS

CN Benzeneacetamide, 4-iodo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



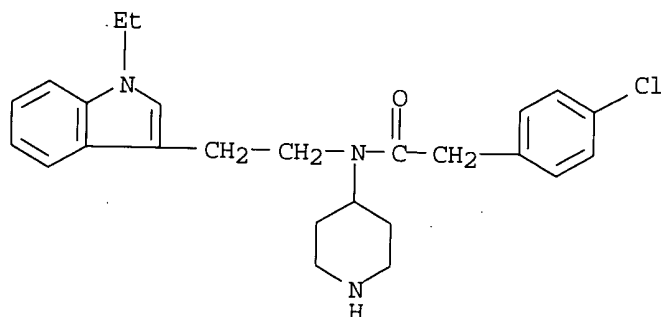
RN 344789-70-4 CAPLUS

CN Benzenepropanamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



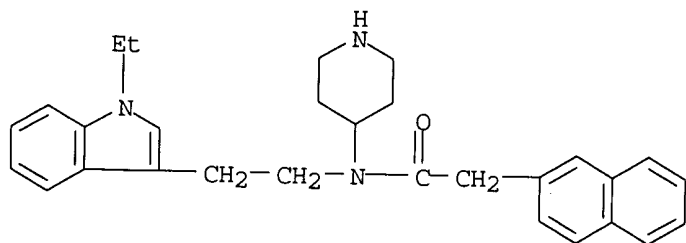
RN 344789-71-5 CAPLUS

CN Benzenepropanamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



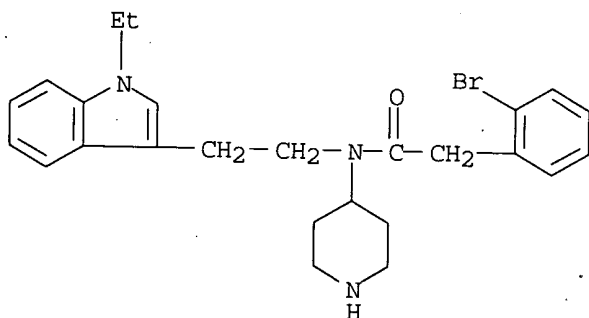
RN 344789-72-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



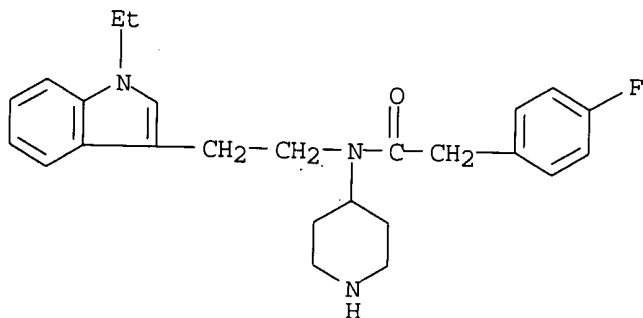
RN 344789-73-7 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



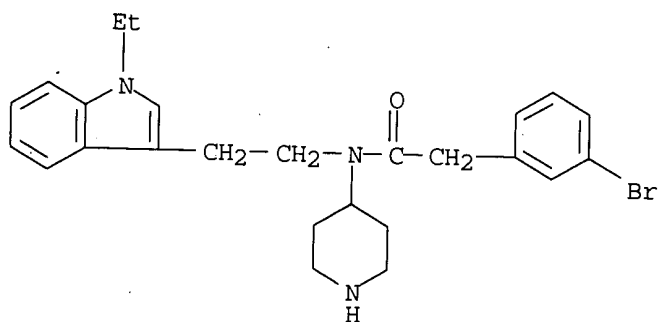
RN 344789-74-8 CAPLUS

CN Benzeneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)

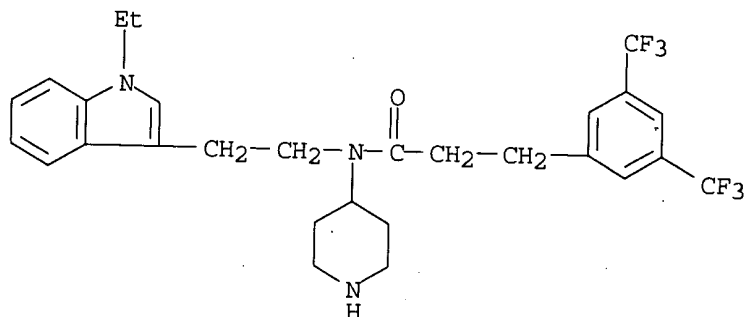


RN 344789-75-9 CAPLUS

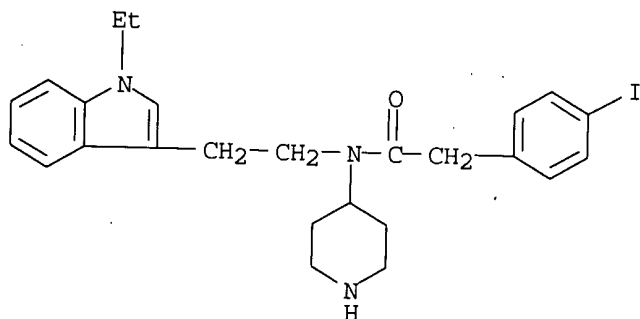
CN Benzeneacetamide, 3-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



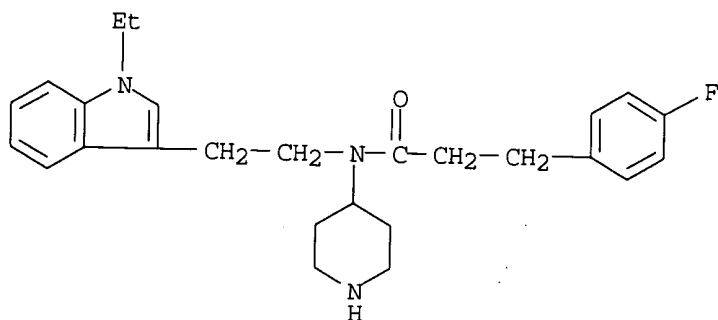
RN 344789-76-0 CAPLUS
 CN Benzenepropanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



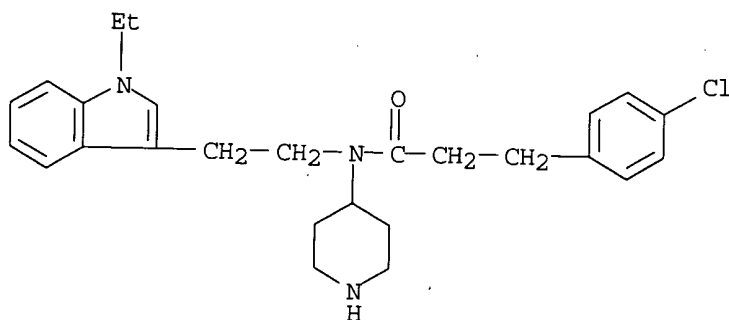
RN 344789-77-1 CAPLUS
 CN Benzenepropanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-iodo-N-4-piperidinyl- (9CI) (CA INDEX NAME)



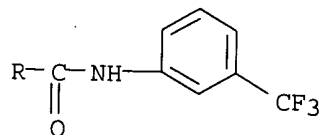
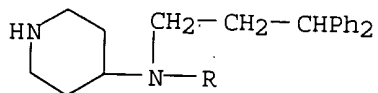
RN 344789-78-2 CAPLUS
 CN Benzenepropanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



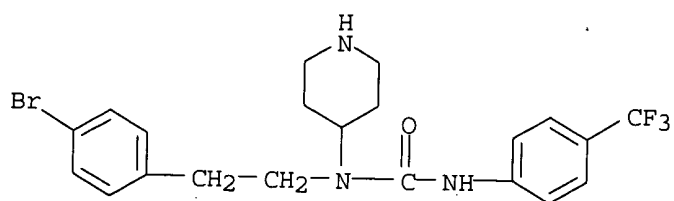
RN 344789-79-3 CAPLUS
 CN Benzenepropanamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344790-73-4 CAPLUS
 CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

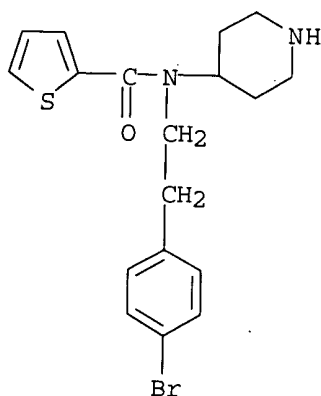


RN 344790-74-5 CAPLUS
 CN Urea, N-[2-(4-bromophenyl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 344790-76-7 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-(4-bromophenyl)ethyl]-N-4-piperidiny]- (9CI)
(CA INDEX NAME)

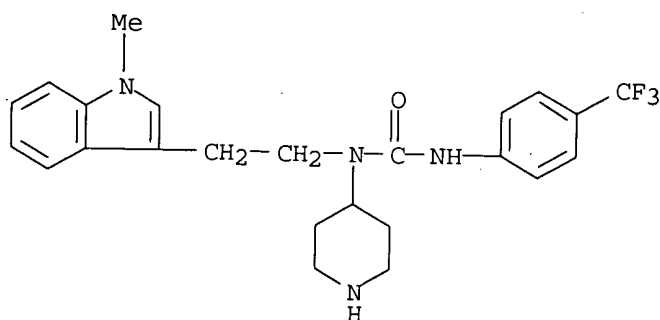


IT 344787-45-7DP, resin-bound

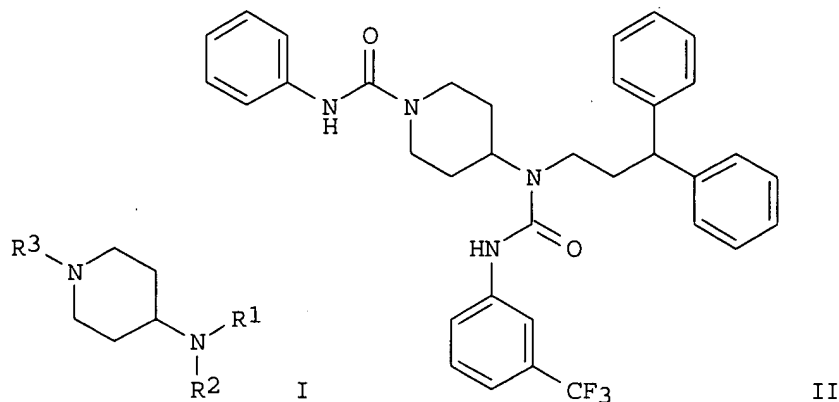
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(intermediate; prepn. of aminopiperidine derivs. as somatostatin
receptor ligands)

RN 344787-45-7 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidiny]-N'-[4-
(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



GI



AB The invention concerns novel 4-aminopiperidine derivs. I [R¹ = alkyl, alkenyl, alkynyl, (CH₂)_mYZ₁, (CH₂)_mZ₂, 1-benzylpiperidin-4-yl, 2-naphthylcarbamoyl, 4-benzylpiperazin-1-yl, 2-acetamidoethyl; Z₁ = alkyl or (un)substituted aryl; Z₂ = cyano, cyclohexenyl, bis-Ph, cycloalkyl, (un)substituted heterocycloalkyl, aryl, heteroaryl, etc.; R₂ = C(Y)NHX₁, C(O)X₂, SO₂X₃; R₃ = H, (un)substituted alkyl, alkenyl, alkynyl, aralkyl, C(Y)NHX₁, (CH₂)_nC(O)X₂, SO₂X₃, etc.; X₁ = alkyl, alkenyl, alkynyl, aryl, aralkyl, etc.; X₂ = wide variety of groups; X₃ = alkyl, alkenyl, phenylalkenyl, CF₃, (un)substituted (hetero)aryl or -aralkyl; Y = O, S; n = 0-4; m = 1-6]. Also disclosed are methods for their prepn. by parallel synthesis processes in liq. and solid phase. I have good affinity for certain sub-types of somatostatin receptors, and are particularly useful for treating pathol. conditions or diseases wherein one more somatostatin receptor sub-types are involved. Claims specifically mention acromegaly, pituitary adenoma, or endocrine gastroenteropancreatic tumors in carcinoid syndrome. A table of 778 compds. I is given, and several syntheses are described in detail. For instance, N-BOC-4-piperidone underwent reductive amination with 3,3-diphenylpropylamine and NaBH(OAc)₃, followed by reaction with 3-trifluoromethylphenyl isocyanate, removal of the BOC group with CF₃CO₂H, and reaction with Ph isocyanate, to give title compd. II. Some compds. I had sub-micromolar K_i for at least one of five tested somatostatin receptor subtypes (no data).

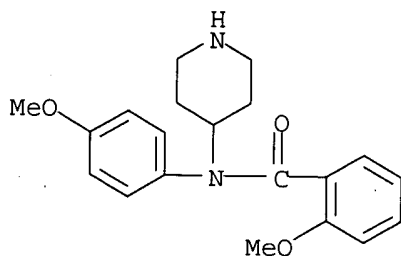
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2000:840645 CAPLUS
DN 134:100742
TI Multistep solution-phase parallel synthesis of spiperone analogs
AU Hansen, Henrik C.; Olsson, Roger; Croston, Glenn; Andersson, Carl-Magnus
CS Synthetic Chemistry, ACADIA Pharmaceuticals A/S, Glostrup, DK-2600, Den.
SO Bioorganic & Medicinal Chemistry Letters (2000), 10(21), 2435-2439
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 134:100742
IT 319427-89-9P 319427-93-5P 319427-94-6P
319427-96-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(multistep soln.-phase parallel synthesis of spiperone analogs)

RN 319427-89-9 CAPLUS

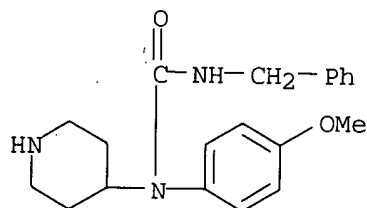
CN Benzamide, 2-methoxy-N-(4-methoxyphenyl)-N-4-piperidinyl-, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

RN 319427-93-5 CAPLUS

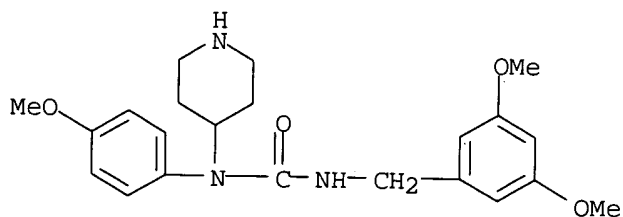
CN Urea, N-(4-methoxyphenyl)-N'-(phenylmethyl)-N-4-piperidinyl-, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

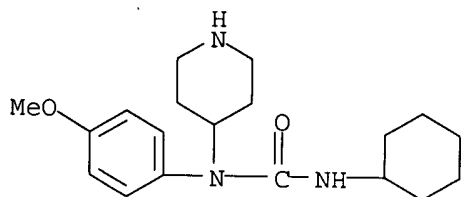
RN 319427-94-6 CAPLUS

CN Urea, N'-[(3,5-dimethoxyphenyl)methyl]-N-(4-methoxyphenyl)-N-4-piperidinyl-, hydrochloride (9CI) (CA INDEX NAME)



x HCl

RN 319427-96-8 CAPLUS
 CN Urea, N'-cyclohexyl-N-(4-methoxyphenyl)-N-4-piperidinyl-, hydrochloride
 (9CI) (CA INDEX NAME)



●x HCl

AB A flexible, multistep parallel synthesis of spiperone analogs is described. A library of 4-substituted **piperidines**, assembled utilizing reductive amination and acylation protocols, was alkylated either homogeneously or heterogeneously, exploiting a product release only concept, to afford an oxa-series of spiperone analogs. Screening of the products at 5-HT₂ and D₂ receptors revealed 5-HT_{2A} antagonists with improved selectivity compared to spiperone and AMI-193.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1999:106962 CAPLUS

DN 130:197400

TI **Piperidine** compounds, intermediates for their preparation, and their use as nonbleeding stabilizers for polymer materials

IN Okamoto, Kazunari; Samizo, Motohiko; Shimoide, Michio

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11035560	A2	19990209	JP 1997-199942	19970725
				JP 1997-199942	19970725

OS MARPAT 130:197400

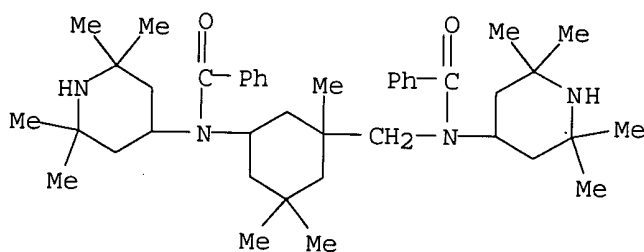
IT **220735-26-2P 220735-35-3P 220735-36-4P**

RL: MOA (Modifier or additive use); PRP (Properties); SPN (Synthetic preparation); .PREP (Preparation); USES (Uses)

(**piperidine** compds., intermediates for prepn., and use as nonbleeding stabilizers for polymer materials)

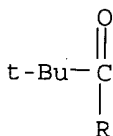
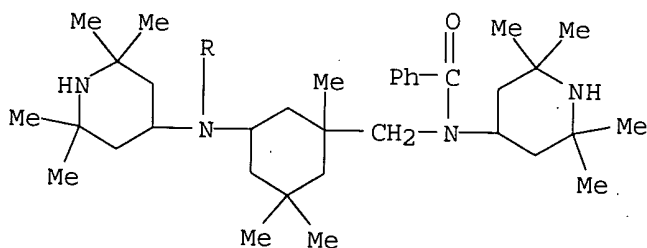
RN 220735-26-2 CAPLUS

CN Benzamide, N-[3-[[benzoyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]methyl]-3,5,5-trimethylcyclohexyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI)
 (CA INDEX NAME)



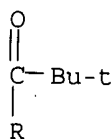
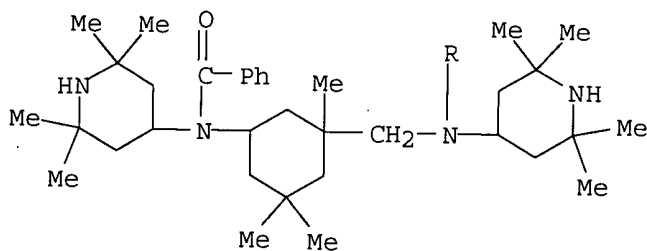
RN 220735-35-3 CAPLUS

CN Benzamide, N-[[5-[(2,2-dimethyl-1-oxopropyl)(2,2,6,6-tetramethyl-4-piperidinyl)amino]-1,3,3-trimethylcyclohexyl]methyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

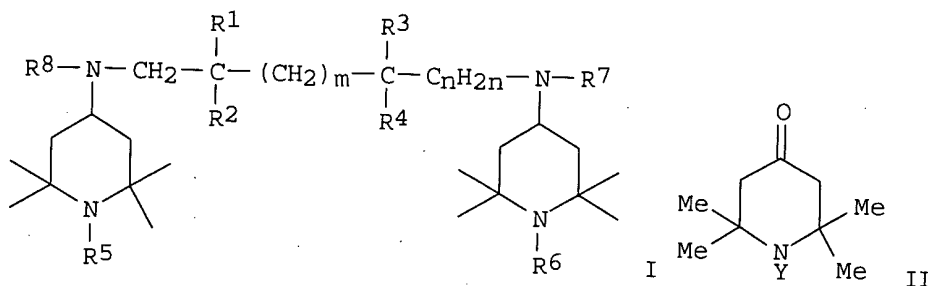


RN 220735-36-4 CAPLUS

CN Benzamide, N-[3-[[[(2,2-dimethyl-1-oxopropyl)(2,2,6,6-tetramethyl-4-piperidinyl)amino]methyl]-3,5,5-trimethylcyclohexyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



GI



AB Compds. I (R1 = C1-6 alkyl; R2-6 = H, C1-6 alkyl; m = 0-2; R1 and R3 together may form a C5-9 ring; R7, R8 = H, C2-18 acyl; R7 = R8 .noteq. H; n = 0-2) are prepd. by reductive alkylation of H2NCH2CR1R2(CH2)mCR3R4CnH2nNH2 by piperidones II (Y = R5, R6) and acylation of I (R7 = R8 = H) by R9COX [R9 = C1-17 alkyl, (C1-6 alkyl-substituted) phenyl; X = halo, OR10, O2CR9, NR11R12; R10-12 = H, C1-6 alkyl]. Thus, 19.7 g I (R1 = Me; R2-8 = H; n = m = 1) (prepn. given) was acylated in PhMe by 17.6 g benzoyl chloride at 80.degree. for 1 h to give 26.6 g I (R1 = Me; R2-6 = H; R7 = R8 = benzoyl; n = m = 1), 0.2 part of which was mixed with polypropylene 100, Ca stearate 0.05, tetrakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionato]methane 0.05, and tris(2,4-di-tert-butylphenyl) phosphite 0.05 part and molded to give a sheet showing 84% gloss retention after 1 wk in a Geer oven at 80.degree..

L5 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1996:379662 CAPLUS

DN 125:58510

TI Preparation of N-(piperidinoethyl)benzimidazolones and analogs as neurokinin receptor antagonists

IN De Nanteuil, Guillaume; Remond, Georges; Portevin, Bernard; Bonnet, Jacqueline; Canet, Emmanuel; Birrell, Graham

PA Adir Et Compagnie, Fr.

SO Eur. Pat. Appl., 24 pp.

CODEN: EPXXDW

DT Patent

LA French

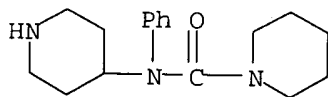
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 708101	A1	19960424	EP 1995-402330	19951019
	EP 708101	B1	19981209		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	FR 2725986	A1	19960426	FR 1994-12580 A	19941021
	FR 2725986	B1	19961129	FR 1994-12580	19941021
	NO 9504151	A	19960422	NO 1995-4151	19951018
	CA 2160966	AA	19960422	FR 1994-12580 A	19941021
	CA 2160966	C	20020226	CA 1995-2160966	19951019

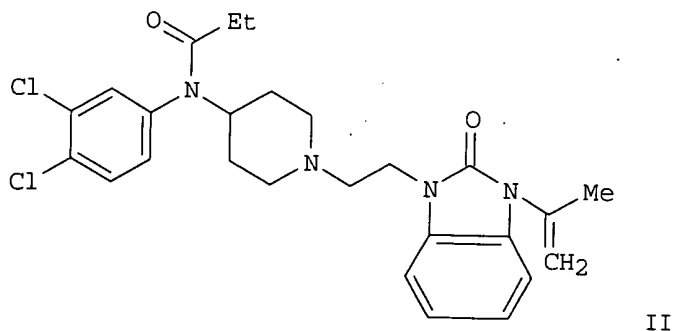
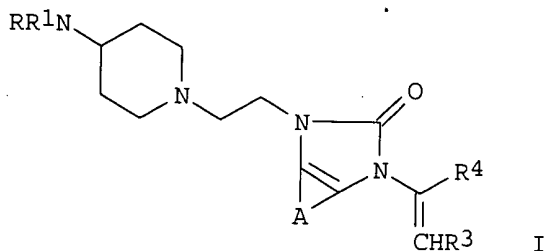
Patel

<6/13/2003>

AU 9534376	A1	19960502	FR 1994-12580	A	19941021
AU 688120	B2	19980305	AU 1995-34376		19951019
AT 174334	E	19981215	FR 1994-12580	A	19941021
ES 2128013	T3	19990501	AT 1995-402330		19951019
FI 9505024	A	19960422	FR 1994-12580	A	19941021
CN 1128260	A	19960807	ES 1995-402330		19951019
CN 1043639	B	19990616	FR 1994-12580	A	19941021
JP 08225570	A2	19960903	FI 1995-5024		19951020
JP 3004574	B2	20000131	FR 1994-12580	A	19941021
US 5652246	A	19970729	CN 1995-115976		19951020
ZA 9508895	A	19960523	FR 1994-12580	A	19941021
OS		MARPAT 125:58510	JP 1995-272819		19951020
IT		1475-05-4P	FR 1994-12580	A	19941021
		RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT	US 1995-546263		19951020
		(Reactant or reagent)	FR 1994-12580	A	19941021
		(prepn. of N-(piperidinoethyl)benzimidazolones and analogs as	ZA 1995-8895		19951025
		neurokinin receptor antagonists)	FR 1994-12580	A	19941021
RN		1475-05-4 CAPLUS			
CN		1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)			



GI



AB Title compds. [I; A = atoms to form an (un)substituted benzene, -naphthalene, or -pyridine ring; R = ZR₂; R₁ = alkyl, Ph, pyridyl, etc.; R₂ = H, alkyl, Ph, NH₂, piperidino, etc.; R₃ = H or alkyl; R₄ = alkyl, Ph, CF₃, etc.; R₃R₄ = alkylene; Z = CO or SO₂] were prepd. Thus, 4-[N-propionyl(3,4-dichlorophenyl)amino]piperidine was N-alkylated by 1-(2-chloroethyl)-3-isopropenylbenzimidazolone (prepn. each given) to give title compd. II which had ED₅₀ of 0.16mg/kg i.v. against substance P-induced plasmatic extravasation in monkeys.

L5 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1995:648089 CAPLUS

DN 123:55707

TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers

IN Minafuji, Mitsumasa; Seko, Tosha; Sasaki, Satoru

PA Mitsubishi Kagaku Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07033738	A2	19950203	JP 1993-181691	19930722
				JP 1993-181691	19930722

OS MARPAT 123:55707

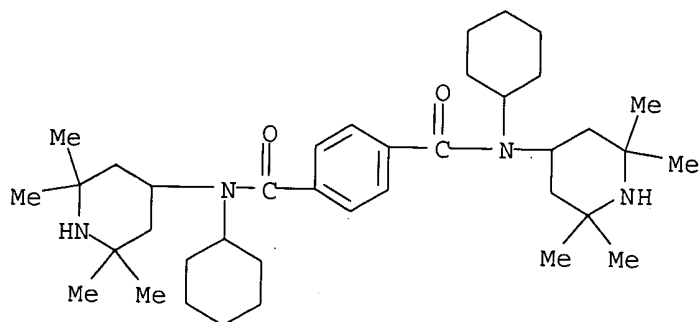
IT **164343-22-0P 164343-24-2P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate for prepn. of hindered bis(piperidinylaminocarbonyl)benzene derivs. as photostabilizers)

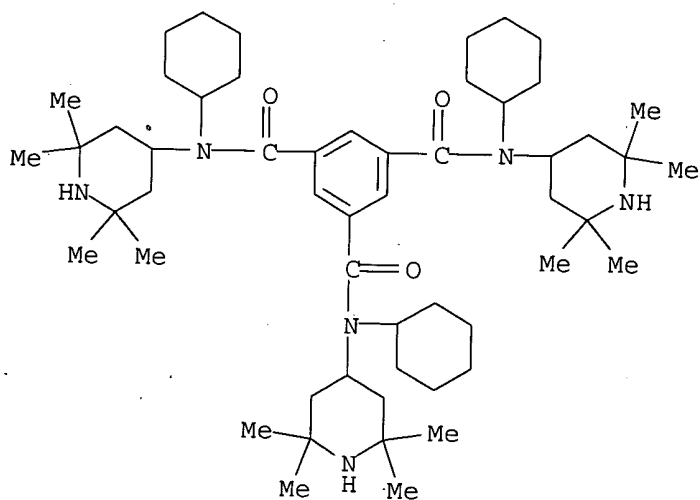
RN 164343-22-0 CAPLUS

CN 1,4-Benzenedicarboxamide, N,N'-dicyclohexyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

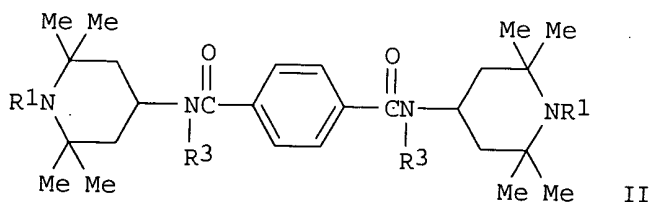
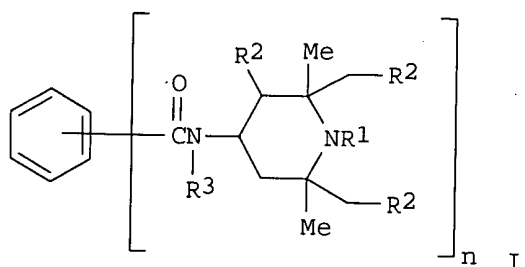


RN 164343-24-2 CAPLUS

CN 1,3,5-Benzenetricarboxamide, N,N',N''-tricyclohexyl-N,N',N''-tris(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



GI



AB The title compds. (I; R1 = C1-4 alkyl; R2 = H, Me; R3 = C1-20 alkyl, cycloalkyl, aryl, arylalkyl; n = 1-4), which are solid photostabilizers for easy handling, and show excellent radical-scavenging capability and compatibility with resins, are prepd. Thus, 8.5 g terephthaloyl chloride was added to a stirred mixt. of 19.1 g 4-cyclohexylamino-2,2,6,6-tetramethylpiperidine, 16.2 g Et3N, and 300 mL 1,4-dioxane followed by stirring the mixt. at room temp. for 8 h to give a precursor (II; R1 = H, R3 = cyclohexyl), which was methylated by 37% formaldehyde and formic acid in dioxane to give a title compd. II (R1 = Me, R3 = cyclohexyl) (70% overall yield) (III). An isotactic polypropylene sheet contg. 0.2 wt. part/100 wt. part polypropylene showed photodegrdn. after irradiating it with a 65/XW-WR xenon weather meter at 80.degree. for 680 h vs. 460 h for a polypropylene sheet contg. II (R1 = R3 = H).

L5 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1994:78583 CAPLUS

DN 120:78583

TI Tetramethylpiperidine derivatives for use as stabilizers for organic materials

IN Borzatta, Valerio; Vignali, Graziano

PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.

SO Eur. Pat. Appl., 45 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 548015	A1	19930623	EP 1992-810967	19921208
	EP 548015	B1	19960103		
	R: BE, DE, ES, FR, GB, IT, NL				
	ES 2082434	T3	19960316	IT 1991-MI3374	19911217
				ES 1992-810967	19921208
	US 5310767	A	19940510	IT 1991-MI3374	19911217
				US 1992-988503	19921210
	CA 2085379	AA	19930618	IT 1991-MI3374	19911217
				CA 1992-2085379	19921215
				IT 1991-MI3374	19911217

BR 9205032	A	19930622	BR 1992-5032	19921216
JP 05255312	A2	19931005	IT 1991-MI3374	19911217
			JP 1992-355130	19921217
			IT 1991-MI3374	19911217

IT **152145-61-4P 152145-62-5P**

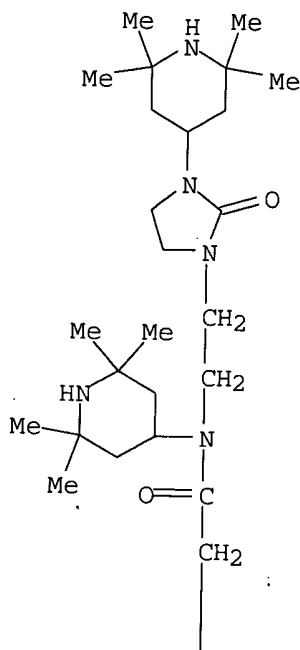
RL: PREP (Preparation)

(prepn. of, as antioxidants for org. materials)

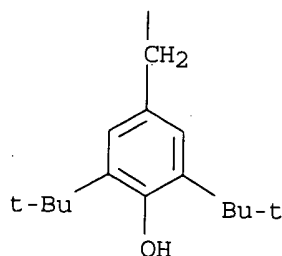
RN 152145-61-4 CAPLUS

CN Benzenepropanamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-[2-oxo-3-(2,2,6,6-tetramethyl-4-piperidinyl)-1-imidazolidinyl]ethyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



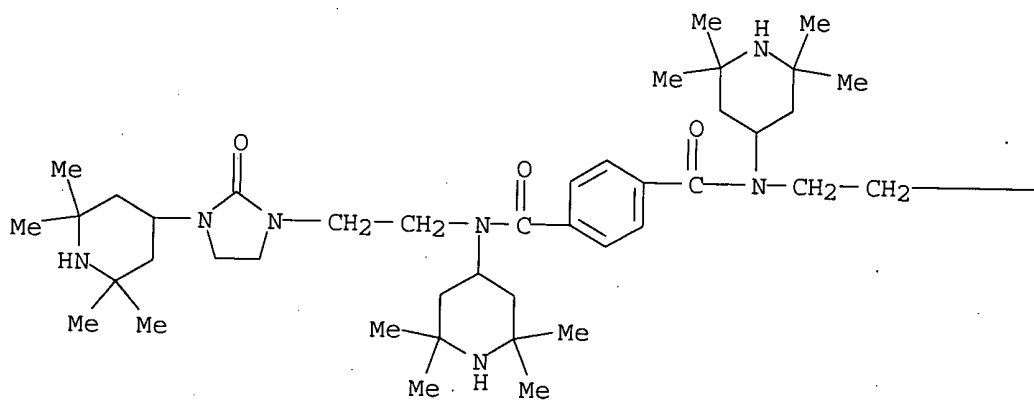
PAGE 2-A



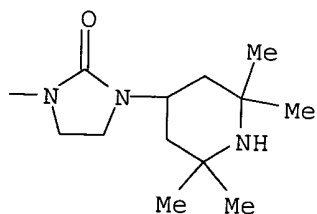
RN 152145-62-5 CAPLUS

CN 1,4-Benzenedicarboxamide, N,N'-bis[2-[2-oxo-3-(2,2,6,6-tetramethyl-4-piperidinyl)-1-imidazolidinyl]ethyl]-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

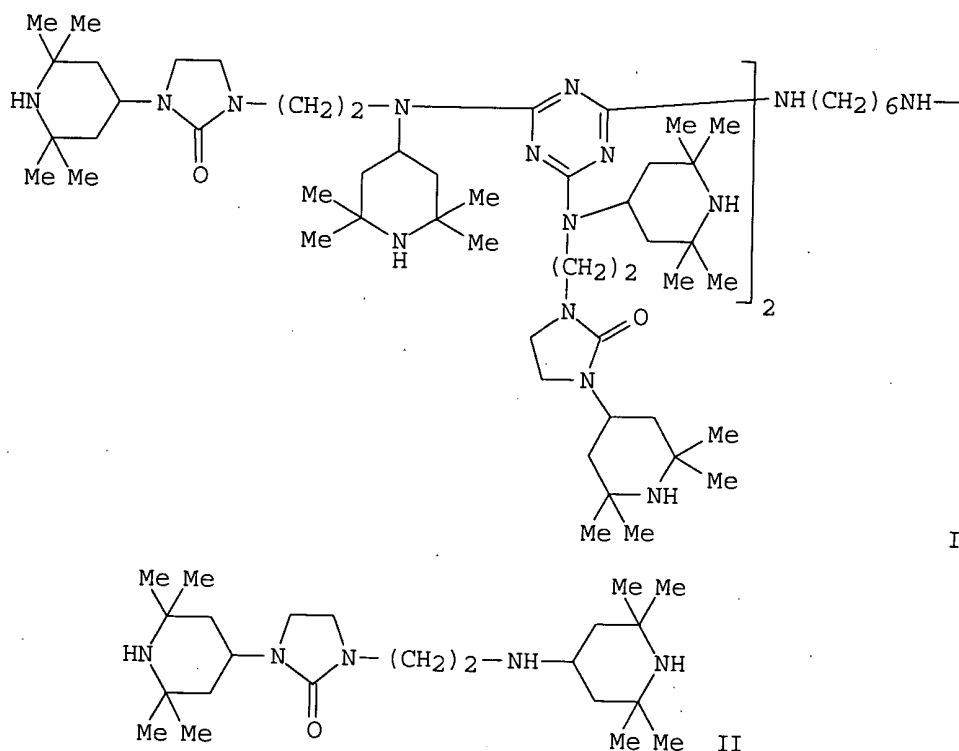
PAGE 1-A



PAGE 1-B

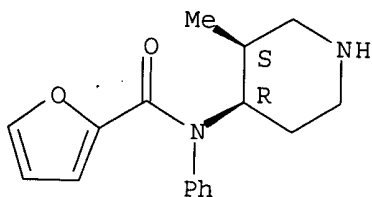


GI



- AB Compds. such as I are prepd. and used as antioxidants in org. materials. I was prepd. from cyanuric chloride 0.1, II 0.2, and 1,6-hexanediamine 0.05 mol and used as an antioxidant in polypropene.
- L5 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2003 ACS
- AN 1990:631278 CAPLUS
- DN 113:231278
- TI Synthesis and pharmacological evaluation of a series of new 1,4-disubstituted 3-methyl-**piperidine** analgesics
- AU Lalinde, Nhora; Moliterni, John; Wright, Denny; Spencer, H. Kenneth; Ossipov, Michael H.; Spaulding, Theodore C.; Rudo, Frieda G.
- CS BOC Tech. Cent., Anaquest Pharm., Murray Hill, NJ, 07974, USA
- SO Journal of Medicinal Chemistry (1990), 33(10), 2876-82
- CODEN: JMCMAR; ISSN: 0022-2623
- DT Journal
- LA English
- OS CASREACT 113:231278
- IT **130150-28-6P 130150-29-7P 130150-32-2P 130150-33-3P**
- RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and alkylation of, with tetrazolyl- and thienylethyl bromides)
- RN 130150-28-6 CAPLUS
- CN 2-Furancarboxamide, N-(3-methyl-4-piperidinyl)-N-phenyl-, cis- (9CI) (CA INDEX NAME)

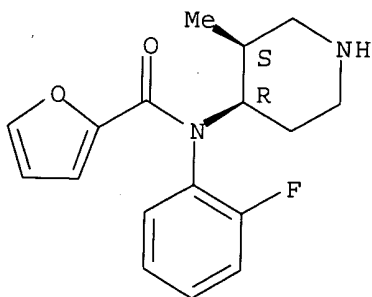
Relative stereochemistry.



RN 130150-29-7 CAPLUS

CN 2-Furancarboxamide, N-(2-fluorophenyl)-N-(3-methyl-4-piperidinyl)-, cis-(9CI) (CA INDEX NAME)

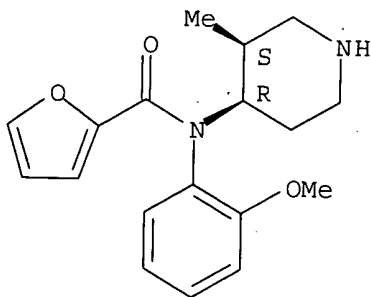
Relative stereochemistry.



RN 130150-32-2 CAPLUS

CN 2-Furancarboxamide, N-(2-methoxyphenyl)-N-(3-methyl-4-piperidinyl)-, cis-(9CI) (CA INDEX NAME)

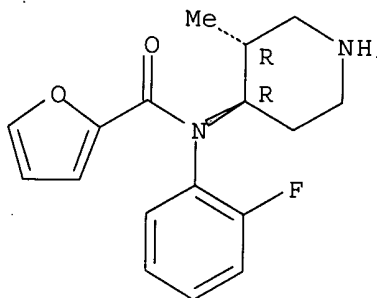
Relative stereochemistry.



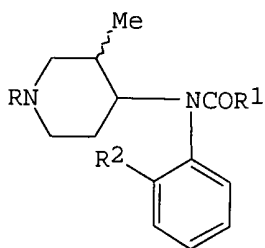
RN 130150-33-3 CAPLUS

CN 2-Furancarboxamide, N-(2-fluorophenyl)-N-(3-methyl-4-piperidinyl)-, trans-(9CI) (CA INDEX NAME)

Relative stereochemistry.



GI



I

AB The synthesis and i.v. analgesic activity of a series of 3-methyl-4-(N-phenylamido)piperidines I [R = Ph, 2-thienyl, tetrazolyl; R1 = CH2MeOMe, furoyl; R2 = H, OMe, Cl, F] is described. The methoxyacetamide pharmacophore produced a series of compds. with optimal analgesic potency and short duration of action. cis-I (R = 2-thienyl, R1 = CH2OMe, R2 = F) was 13,036 times more potent than morphine and 29 times more potent than fentanyl; however, the corresponding diastereomer was only 2778 and 6 times more potent, resp. Among the many compds. that displayed exceptional analgesic activity, duration of action was one of the main factors for choosing a candidate for further pharmacol. investigation. At present, cis-I (R = tetrazolyl; R1 = CH2OMe; R2 = F) (Anaquest, A-3331.HCl, Brifentanil) is in clin. evaluation. Opiate analgesics that possess short duration of action are excellent candidates for use during short surgical procedures in an outpatient setting where a rapid recovery is required.

L5 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:460650 CAPLUS
 DN 113:60650
 TI Substituted piperidines as stabilizers for organic materials
 IN Cantatore, Giuseppe; Vignali, Graziano
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 22 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 354184	A2	19900207	EP 1989-810574	19890726
	EP 354184	A3	19911009		

EP 354184 B1 19970226
R: DE, FR, GB, IT

CA 1337987 A1 19960123

JP 02104574 A2 19900417

JP 2849829 B2 19990127

US 5306495 A 19940426

IT 1988-21643 19880804

CA 1989-607283 19890802

IT 1988-21643 19880804

JP 1989-202722 19890804

IT 1988-21643 19880804

US 1992-846723 19920302

IT 1988-21643 19880804

US 1989-389159 19890802

US 1990-607213 19901030

US 1991-719089 19910620

OS MARPAT 113:60650

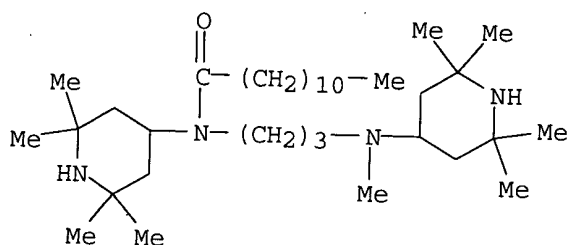
IT 128309-81-9P 128309-83-1P

RL: PREP (Preparation)

(prepn. and antioxidant activity in polymers)

RN 128309-81-9 CAPLUS

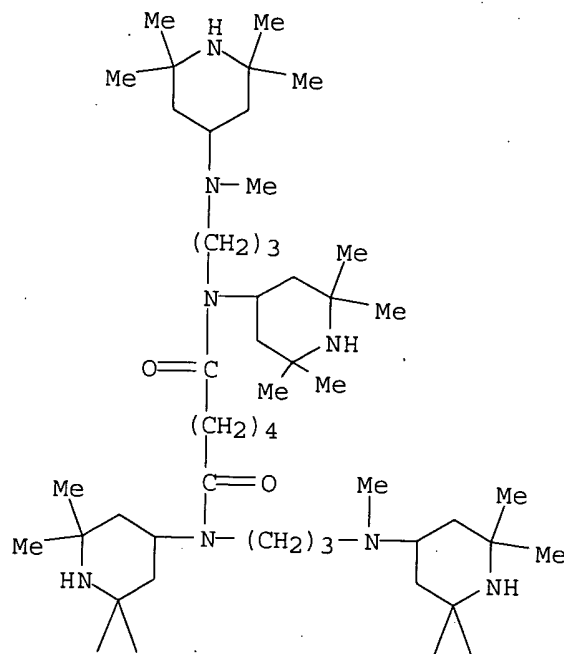
CN Dodecanamide, N-[3-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]propyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



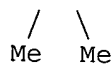
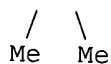
RN 128309-83-1 CAPLUS

CN Hexanediamide, N,N'-bis[3-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]propyl]-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

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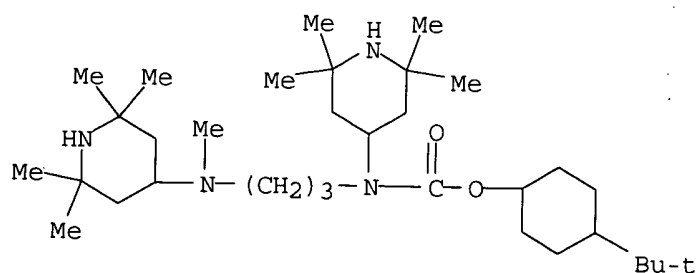


PAGE 2-A

IT **128309-76-2P**RL: PREP (Preparation)
(stabilizers for polymers, manuf. of)

RN 128309-76-2 CAPLUS

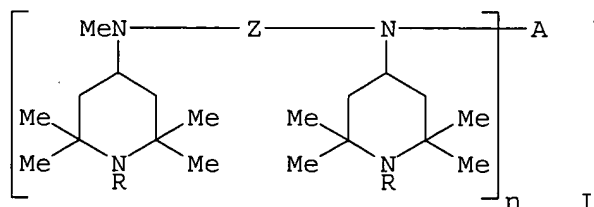
CN Carbamic acid, [3-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]propyl](2,2,6,6-tetramethyl-4-piperidinyl)-, 4-(1,1-dimethylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



GI

Patel

<6/13/2003>



AB The title compds. I ($n = 1-4$; $A = H$, alkyl, alkenyl, acyl, alkylenbisoxycarbonyl, alkenylbiscarbonyl, di- or trivalent residue of s-triazine, etc.; $R = H$, alkyl, etc.; $Z = C2-12$ alkylene) are useful as light and heat stabilizers for polymers, e.g. polyolefins. Thus, $MeNH(CH_2)_3NH_2$ and 2,2,6,6-tetramethyl-4-piperidone were used to prep. N-methyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)-1,3-propanediamine. Polypropylene contg. a phosphite ester, a phenolic antioxidant, Ca stearate, and 0.1% I ($n = 1$; $A = COCO_2Et$; $R = H$; $Z = CH_2CH_2CH_2$) (II) was stable for 2540 h in UV testing at 63.degree., vs. 500 without II.

L5 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1989:174443 CAPLUS

DN 110:174443

TI **Piperidine** compounds for use as light stabilizers, heat stabilizers and oxidation stabilizers for organic materials

IN Cantatore, Giuseppe; Borzatta, Valerio; Masina, Franca

PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 290393	A2	19881109	EP 1988-810278	19880502
	EP 290393	A3	19910731		
	EP 290393	B1	19950104		
	R: DE, FR, GB, IT				
	CA 1302408	A1	19920602	IT 1987-20419	19870507
				CA 1988-565969	19880505
				IT 1987-20419	19870507
	JP 63316769	A2	19881226	JP 1988-111378	19880507
				IT 1987-20419	19870507
	US 5026749	A	19910625	US 1990-523288	19900514
				IT 1987-20419	19870507
				US 1988-187174	19880428
				US 1989-393034	19890810

OS MARPAT 110:174443

IT 120215-34-1 120215-36-3 120215-38-5
120215-40-9 120215-41-0 120253-50-1D, polymer
derivs.

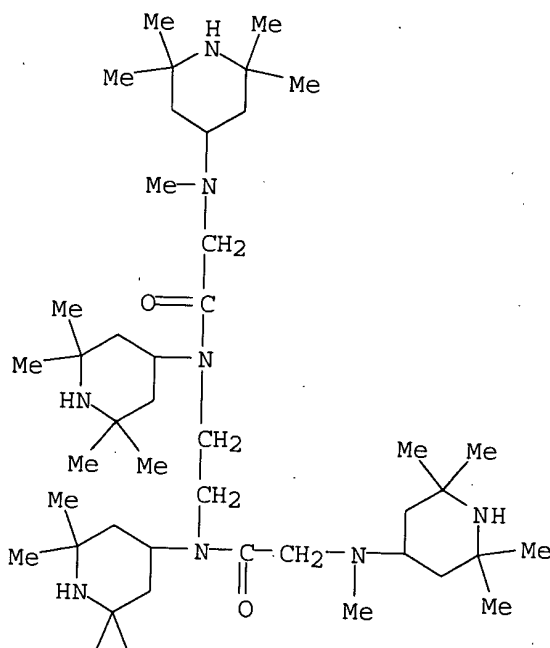
RL: USES (Uses)

(stabilizer, for polyolefin and org. compds.)

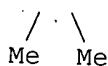
RN 120215-34-1 CAPLUS

CN Acetamide, N,N'-1,2-ethanediylbis[2-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

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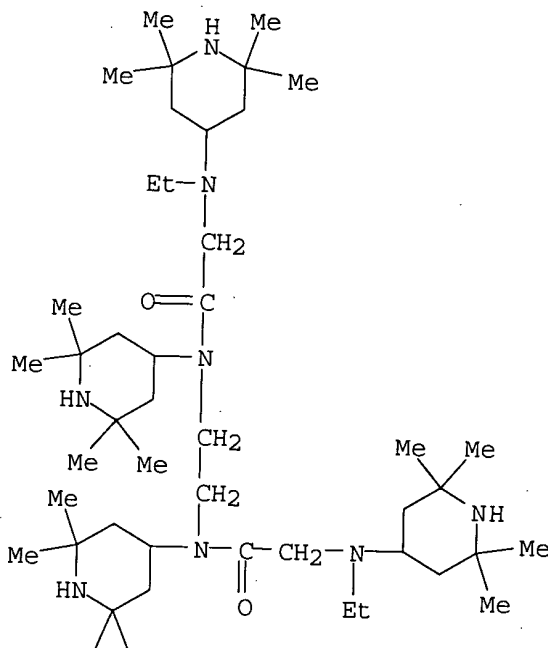


PAGE 2-A

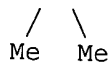


RN	120215-36-3	CAPLUS
CN	Acetamide, N,N'-1,2-ethanediylbis[2-[ethyl (2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)	

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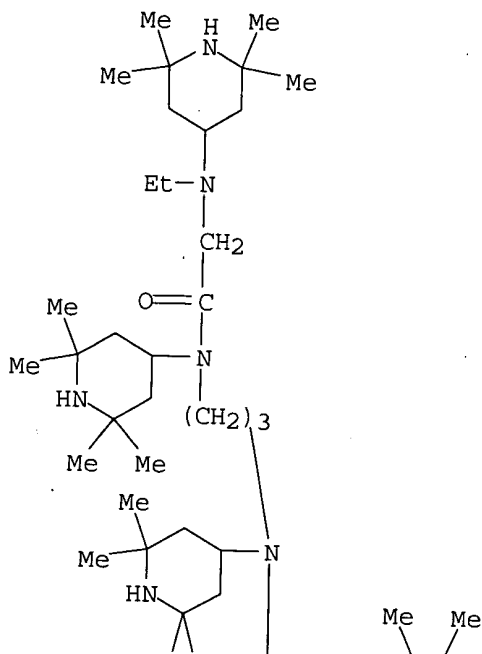


PAGE 2-A

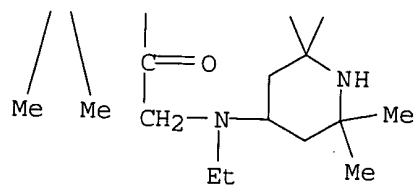


RN 120215-38-5 CAPLUS
 CN Acetamide, N,N'-1,3-propanediylbis[2-[ethyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

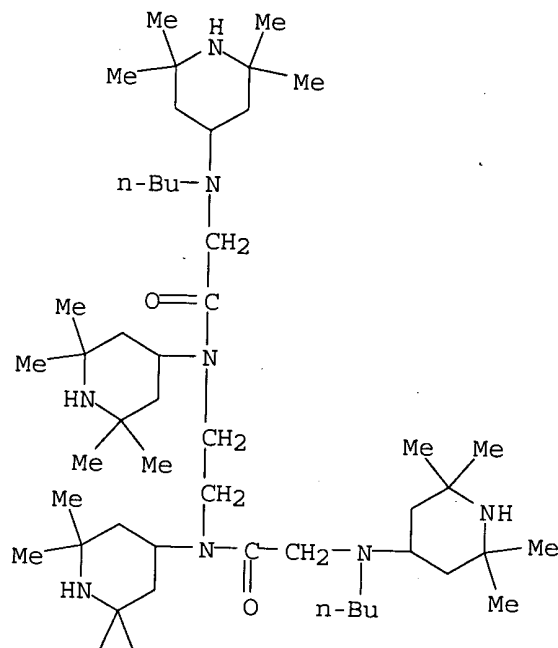


PAGE 2-A

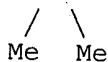


RN 120215-40-9 CAPLUS
 CN Acetamide, N,N'-1,2-ethanediylbis[2-[butyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

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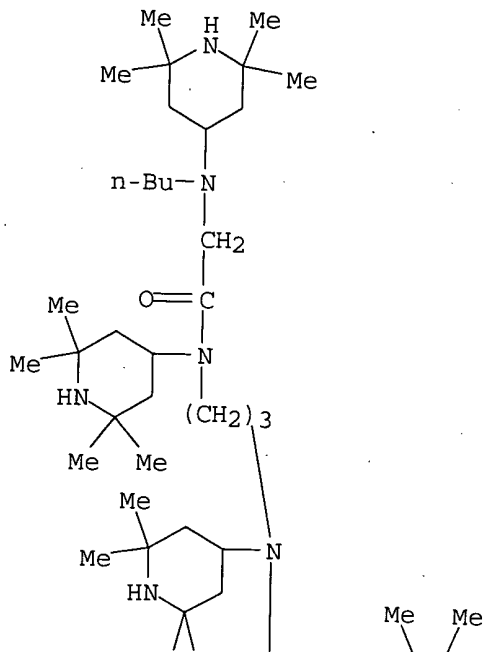


PAGE 2-A

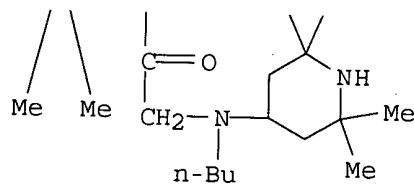


RN 120215-41-0 CAPLUS
 CN Acetamide, N,N'-1,3-propanediylbis[2-[butyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)-(9CI)] (CA INDEX NAME)

PAGE 1-A

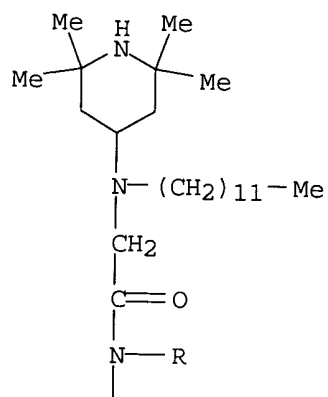
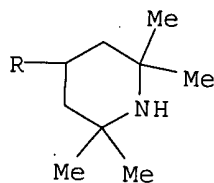


PAGE 2-A

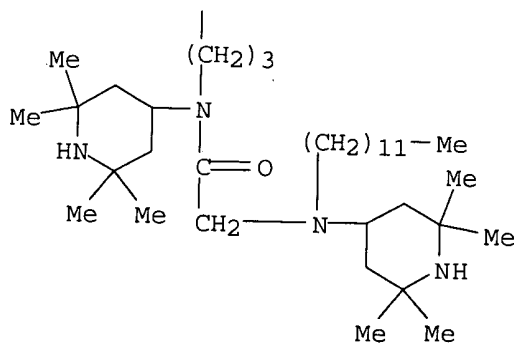


RN 120253-50-1 CAPLUS
 CN Acetamide, N,N'-1,3-propanediylbis[2-[dodecyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)-(9CI) (CA INDEX NAME)

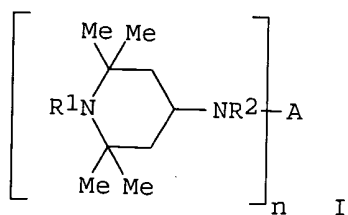
PAGE 1-A



PAGE 2-A



GI



AB Piperidinyldihydrocarbylamines I ($R_1 = H, O, OH, NO, CH_2CN, C_1-8 \text{ alkyl}$,

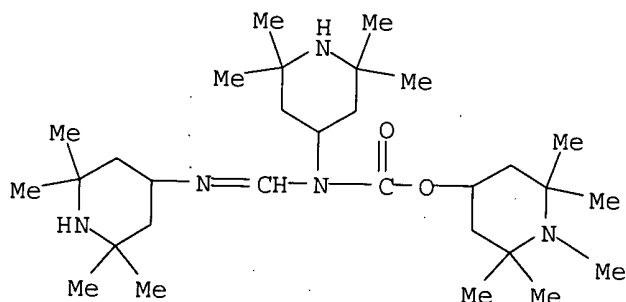
Patel

<6/13/2003>

allyl, benzyl, OH-monosubstituted C2-4 alkyl; C1-18 alkyloxy or C1-8 acyl; R2 = hydrocarbyl or tetramethylpiperidinyll; n = 1 or 2, where n = 1 then A = piperidinylaminoalkylenecarbonyl deriv. and if n = 2 then A = various carbonylalkyleneaminoalkylenecarbonyl derivs.). A mixt. of polypropylene (melt index 3 g/10 min) 1000, I 1, tris(2,4-di-tert-butylphenyl)phosphite 0.5, pentaerythritol tetrakis[3,5-di-tert-butyl-4-hydroxyphenyl]propionate 0.5, and Ca stearate 1 g was extruded and blow molded to give a 50-.mu.m-thick film having time for 50% decrease in tenacity in weatherometer 2840 h, vs. 380 h without I.

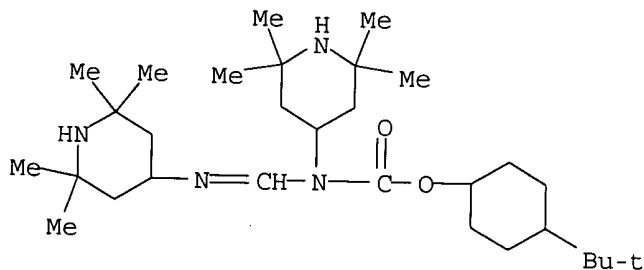
L5 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1987:638031 CAPLUS
 DN 107:238031
 TI **Piperidine** compounds
 IN Cantatore, Guiseppe; Borzatto, Valerio
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 34 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 232224	A2	19870812	EP 1987-810052	19870127
	EP 232224	A3	19890315		
	EP 232224	B1	19921125		
	R: BE, DE, FR, GB, IT				
	CA 1283909	A1	19910507	IT 1986-19230	19860130
				CA 1987-528334	19870128
	US 4803234	A	19890207	IT 1986-19230	19860130
				US 1987-8220	19870129
	JP 62215566	A2	19870922	IT 1986-19230	19860130
	JP 2539613	B2	19961002	JP 1987-20352	19870130
	US 4927925	A	19900522	IT 1986-19230	19860130
				US 1988-257365	19881013
				IT 1986-19230	19860130
	US 5030729	A	19910709	US 1987-8220	19870129
				US 1990-487347	19900301
				IT 1986-19230	19860130
				US 1987-8220	19870129
				US 1988-257365	19881013
IT	111729-17-0 111729-22-7 111729-53-4 111729-54-5				
	RL: PEP (Physical, engineering or chemical process); PROC (Process) (heat and light stabilizers, for plastics)				
RN	111729-17-0 CAPLUS				
CN	Carbamic acid, (2,2,6,6-tetramethyl-4-piperidinyll)[[(2,2,6,6-tetramethyl-4-piperidinyll)imino]methyl]-, 1,2,2,6,6-pentamethyl-4-piperidinyll ester (9CI) (CA INDEX NAME)				



RN 111729-22-7 CAPLUS

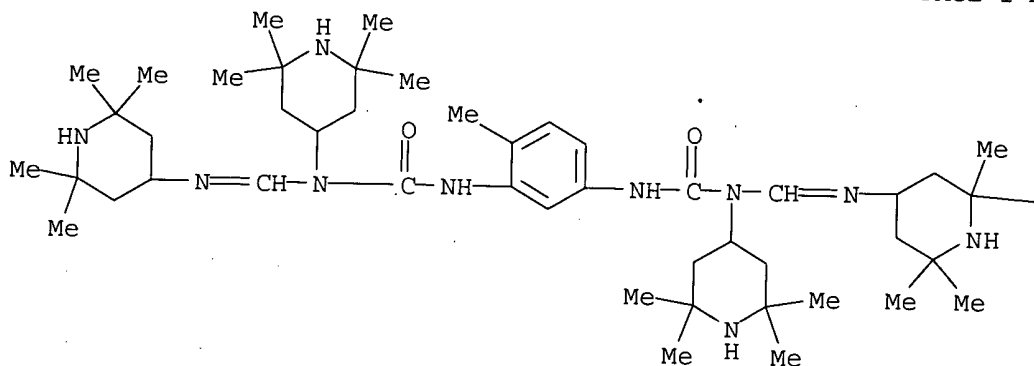
CN Carbamic acid, (2,2,6,6-tetramethyl-4-piperidinyl) [(2,2,6,6-tetramethyl-4-piperidinyl)imino]methyl-, 4-(1,1-dimethylethyl)cyclohexyl ester (9CI)
(CA INDEX NAME)



RN 111729-53-4 CAPLUS

CN Urea, N,N'-(4-methyl-1,3-phenylene)bis[N!-(2,2,6,6-tetramethyl-4-piperidinyl)-N'-[(2,2,6,6-tetramethyl-4-piperidinyl)imino]methyl]- (9CI)
(CA INDEX NAME)

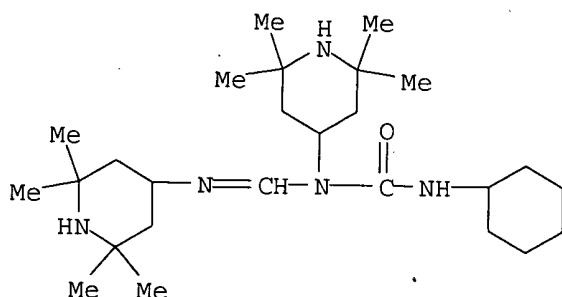
PAGE 1-A



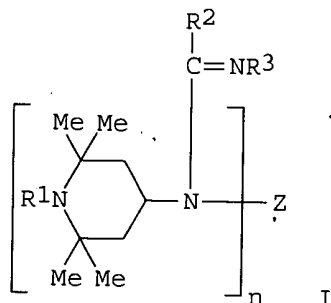
—Me

RN 111729-54-5 CAPLUS

CN Urea, N'-cyclohexyl-N-(2,2,6,6-tetramethyl-4-piperidiny1)-N-[[2,2,6,6-tetramethyl-4-piperidiny1]imino]methyl]- (9CI) (CA INDEX NAME)



GI



AB The amidines I [R1 = H, O.bul., NO, CH₂CN, alkyl, alkenyl, alkynyl, aralkyl, glycidyl, acyl, hydroxyalkyl, dihydroxypropyl; R2 = H, (cyclo)alkyl, aryl(alkyl); R3 = aryl, tetramethylpiperidyl; Z = org. or inorg. residue; n = 1-4] are light and heat stabilizers and antioxidants for polymers. Adding 11.39 g EtOCOC1 to 32.25 g N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl) formamidine [prepd. from the tetramethylpiperidinamine and HC(OEt)₃] in CH₂Cl₂ at <10.degree. and neutralizing with NaOH 5-10.degree. gave N-carbethoxy-N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl) formamidine (II). Polypropylene contg. phenolic antioxidants 0.1, pigments and fillers 0.2, and II 0.1 phr required 4300 h weather-O-Meter exposure (as a 2-mm sheet) for embrittlement, vs. 500 without II.

L5 ANSWER 20 OF 34 CAPLUS COPYRIGHT 2003 ACS

Patel

<6/13/2003>

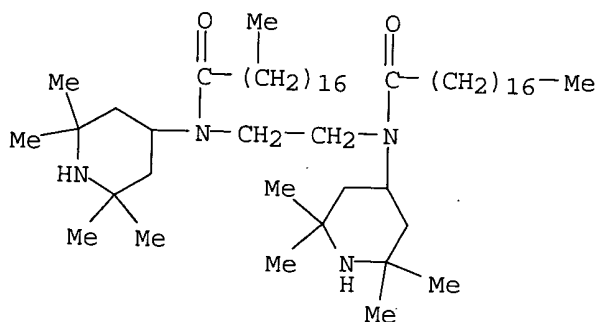
NL 7313683	A	19740408	NL 1973-13683	19731004
FR 2202128	A1	19740503	JP 1972-99599	19721004
			FR 1973-35463	19731004
			JP 1972-99599	19721004

IT 52981-87-0

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with formaldehyde, in manuf. of light stabilizers for polymers)

RN 52981-87-0 CAPLUS

CN Octadecanamide, N,N'-1,2-ethanediylbis[N-(2,2,6,6-tetramethyl-4-piperidiny)]- (9CI) (CA INDEX NAME)



AB Polypropylene (I) [9003-07-0], polyethylene, polystyrene [9003-53-6], ABS [9003-56-9], nylon 6 [25038-54-4], a polycaprolactone-based polyurethane, PVC [9002-86-2], and a polyester were stabilized against uv light by 4-aminopiperidine derivs. (79 used) of which 45 were prepd. Thus, I contg. 0.25 phr 4-acrylamido-1,2,2,6,6-pentamethyl **piperidine** [52981-23-4] became brittle in 1,780 hr in a fadometer compared with 60 hrs for a control.

L5 ANSWER 30 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1969:413026 CAPLUS

DN 71:13026

TI Aroylalkoyl and hydroxyaralkyl derivatives of 4-(N-aryl-N-alkanamido) **piperidines**

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium Dr. C Janssen

SO Fr., 8 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

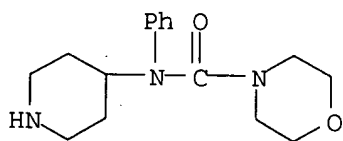
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1517670		19680322	US	19611010

IT 1475-04-3P 1475-05-4P 1506-88-3P
 1605-99-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 1475-04-3 CAPLUS

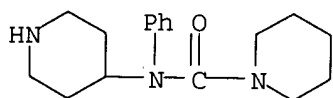
CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

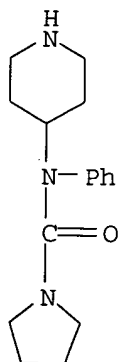
RN 1475-05-4 CAPLUS

CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1506-88-3 CAPLUS

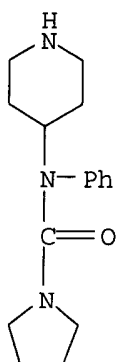
CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



HCl

RN 1605-99-8 CAPLUS

CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.
 AB The title compds. (I) are prepd. in several ways. Thus, a mixt. of 95 parts 1-benzyl-4-piperidone; 60 parts PhNH₂, 800 parts PhMe and 0.05 part p-MeC₆H₄SO₃H was refluxed 15 hrs. with sepn. of H₂O to give N-(1-benzyl-4-piperidylidene)aniline (II), b_{0.05} 170.degree.. A soln. of 26 parts II in 200 parts Et₂O was added portionwise to a suspension of 8 parts LiAlH₄ and 200 parts Et₂O and the mixt. refluxed 5 hrs. to give 1-benzyl-4-anilinopiperidine (III), m. 84,8-86.degree.. To a soln. of 19.5 parts III in 160 parts benzene was added portionwise 10 parts Ac₂O in 40 parts of benzene, and the mixt. refluxed 3 hrs. to give I (X = PhCH₂, R = Me), m. 107-9.2.degree.. Similarly prepd. were: I (X = PhCH₂, R = Et), m. 74-6.degree.; and I (X = PhCH₂, R = Pr) (HCl salt m. 230-1.degree.). To 31 parts III in 120 parts pyridine was added dropwise 18 parts ClCO₂Et in 32 parts Et₂O to give I (X = PhCH₂, R = OEt), m. 231-3.degree.. To a soln. of 15 parts COCl₂ in 56 parts PhMe was added portionwise a soln. of 13.3 parts III in 24 parts PhMe to give I (X = PhCH₂, R = Cl); HCl salt m. 178-85.degree.. To a mixt. of 60 parts **piperidine** in 120 parts benzene was added portionwise 25 parts of the above HCl salt and the mixt. refluxed 3 hrs. to give I (X = PhCH₂, R = piperidyl), m. 115-16.degree.. Similarly prepd. were: I (X = PhCH₂, R = pyrrolidyl), m. 92-5.5.degree.; I (X = PhCH₂, R = Me₂N), m. 99.8-101.degree.; and I (X = PhCH₂, R = morpholino), m. 104-6.degree.. A soln. of 16.5 parts I (X = PhCH₂, R = Me) in 160 parts iso-PrOH was hydrogenated at atm. pressure and ambient temp. over 3 parts 10% Pd on C until the calcd. amt. of H had been absorbed to give I (X = H, R = Me), m. 129-30.degree.. The following I (X = H) were similarly prepd. (R and m.p. given): Et, 83-5.degree.; Pr, 93.4-5.8.degree.; OEt, 225-7.degree.; pyrrolidyl, 110.6-13.0.degree. (HCl salt m. 226-7.degree.); pyridyl, 101-3.degree.; morpholino, - (HCl salt m. 254-6.5.degree.); and NMe₂, - (HCl salt m. 242-6.degree.). A mixt. of 4.7 parts phenacyl bromide, 4.5 parts I (X = H, R = Et), 6 parts Na₂CO₃, 0.1 part KI, and 120 parts 4-methyl-2-pentanone was refluxed 16 hrs. to give I (X = PhCOCH₂, R = Et), m. 83-5.degree.. The following I were similarly prepd. (X, R and m.p. given): phenacyl, Me, 122-3.degree.; phenacyl, Pr, 107-8.degree.; .alpha.-methylphenacyl, Et, - (HCl salt m. 203-8.degree.); .alpha.-ethylphenacyl, Et, 108.6-9.2.degree.; .beta.-benzoyl ethyl, Me, - (HCl salt m. 214-15.degree.); .beta.-benzoyl ethyl, Et, 150-1.degree.; 2-thenoylmethyl, Et, 98-9.5.degree. (HCl salt m. 197-8.degree.). A mixt. of 3 parts styrene oxide and 4.7 parts I (X = H, R = Me) was heated 20 hrs. at 100.degree. to give I (X = .beta.-hydroxyphenethyl, R = Me) m. 125.8-8.6.degree.. The following I were similarly prepd. (X, R, and m.p. given): .beta.-hydroxyphenethyl, Et, - (HCl salt m. 221.8-5.4.degree.); and .beta.-hydroxyphenethyl, Pr, 100-2.degree.. A mixt. of 8 parts I (X = .alpha.-ethylphenacyl, R = Et), 0.8 part NaBH₄, and 80 parts MeOH was

heated 2 hrs. at 50.degree. to give I (X = .alpha.-ethyl-.beta.-hydroxyphenethyl, R = Et), m. 149-9.6.degree.. The following I were similarly prepd. (X, R, and m.p. given): .beta.-hydroxy-.alpha.-methylphenethyl, Et, 113.2-15.4.degree.; 3-hydroxy-3-phenylpropyl, Et, 114-18.degree.; and 2-hydroxy-2-(2-thienyl)ethyl, Et, 96-7.degree.. A mixt. of 4 parts I (X = .beta.-hydroxy-.alpha.-methylphenethyl, R = Et), 50 parts Ac2O, and 50 parts benzene was refluxed 3 hrs. to give I (X = .beta.-propionyloxy-.alpha.-methylphenethyl, R = Et), m. 156-8.degree.. I (X = .beta.-propionyloxyphenethyl, R = Et), m. 87-8.5.degree., was similarly prepd. A mixt. of 2.5 parts styrene oxide and 5 parts I (X = H, R = OEt) was heated 20 hrs. at 100.degree. to give I (X = .beta.-hydroxyphenethyl, R = OEt), m. 97-8.degree.. I (X = .beta.-hydroxyphenethyl, R = piperidyl), m. 105.5-6.6.degree., and I (X = .beta.-hydroxyphenethyl, R = pyrrolidyl), m. 144.2-6.2.degree., were similarly prepd.

L5 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1969:115015 CAPLUS

DN 70:115015

TI N-(1-Alkyl-4-piperidyl)-N-arylalkanoamides

PA N. V. Research Laboratorium Dr. C. Janssen

SO Fr., 8 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

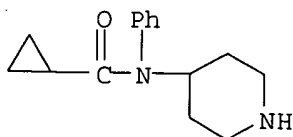
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1517671		19680322	US	19611010

IT 1432-04-8P 1475-04-3P 1475-05-4P
1506-88-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 1432-04-8 CAPLUS

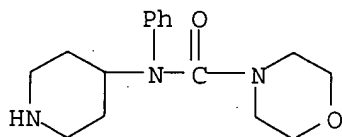
CN Cyclopropanecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

RN 1475-04-3 CAPLUS

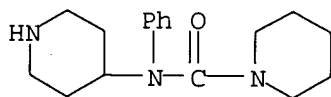
CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

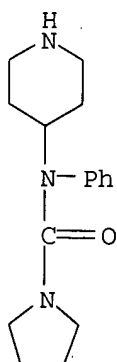
RN 1475-05-4 CAPLUS

CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1506-88-3 CAPLUS

CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



HCl

GI For diagram(s), see printed CA Issue.

AB N-(4-Piperidyl)-N-arylalkanoamides, which are prepd. by the hydrogenation of the N-(1-benzyl-4-piperidyl) compds., are treated with aralkyl halides to give I, where R1 is an aralkyl group. A soln. of PhCH₂CH₂Cl 3.8 in iso-BuCOMe 24 is added to a soln. of N-(4-piperidyl)propionanilide 5, Na₂CO₃ 6.85, and KI 0.05 in iso-BuCOMe 120 parts, and the mixt. is refluxed 27 hrs. to give N-[1-(2-phenylethyl)-4-piperidyl]propionanilide, m. 83-4.degree.. Similarly prepd. are the following I (R1 = PhCH₂CH₂) (R, R₃, R₂, m.p., and m.p. HCl salt given): Et, H, H, 83-4.degree., -; Et, p-Me, H, 136-8.degree., -; Pr, H, H, 90-1.degree., -; Et, o-Me, H, -, 194-6.degree.; Et, m-Me, H, -, 210-18.degree.; Me, m-Me, H, -, 235.5-41.degree.; Pr, H, H, -, 210-11.degree.; Et, p-MeO, H, -, 210-11.5.degree.; Et, H, Bu, -, 168-9.8.degree.; Et, H, Et, -, -; NMe₂, H, H, 115-16.degree., -; Me, m-MeO, H, 94.5-6.degree., -; OEt, H, H,

110-10.8.degree., -; OMe, H, H, -, -, -; OBU, H, H, -, -, -; Me, H, H, 96-7.degree., -; pyrrolidino (A), H, H, 133-4.degree., -; piperidino (B), H, H, 114.5-16.degree., -; morpholino (C), H, H, 99-100.degree., -; Et, m-MeO, H, -, -, (oxalate m. 178.4-9.2.degree.); cyclopropyl (D) H, H, 119.5-20.4.degree., -; and the following I (R3, R, R1, R2, and m.p. given): H, Et, 2-cyclohexylethyl, H, -, HCl salt m. 204-6.degree.; H, Et, p-FC6H4CH2CH2, H, 104-5.degree.; H, Et, p-IC6H4CH2-CH2, H, -, H, Et, m-BrC6H4CH2CH2, H, -, H, Et, p-ClC6-H4CH2CH2, H, 73-4.degree.; H, Et, p-MeOC6H4CH2CH2, H, 97-8.degree.; H, Et, p-O2NC6H4CH2CH2, H, 114-19.degree.; H, Et, 2-(2-thienyl)-ethyl, H, 62-3.degree.; H, Et, m-MeOC6H4CH2CH2, H, -, H, Et, 2-(2-furyl)ethyl, H, -, 232.5-3.5.degree.; H, Et, PhCHMeCH2, H, -, HCl salt m. 228-9.6.degree.; H, Et, PhCH2CHMe, H, -, HCl salt m. 272.8-3.6.degree.; H, Et, 2-(4-pyridyl)ethyl, H, 123-5.degree.; H, D, 2-cyclohexylethyl, H, 102-2.5.degree.; H, A, 2-cyclohexylethyl, H, 106-8.degree.. I (R3 = H, R = OEt, R1 = R2 = H) is treated with (2-pyridyl)ethylene to give I [R3 = H, R = OEt, R1 = 2-(2-pyridyl)ethyl, R2 = H], m. 82-3.2.degree.. Also prepd., according to known methods, are the following I (R3 = H, R2 = H) (R, R1, m.p., and m.p. HCl salt given): (COR is replaced by H), PhCH2, 84.8-6.degree., -; Me, PhCH2, 107-9.2.degree. (decompn.), -; Et, PhCH2, 74-6.degree., -; Pr, PhCH2, -, 230-1.degree.; D, PhCH2, -, 255-8.degree.; OEt, PhCH2, -, 231-3.degree.; Cl, PhCH2, -, 178-85.degree.; B, PhCH2, 115-16.degree., -; A, PhCH2, 92-5.5.degree., -; C, PhCH2, 104-6.degree., -; Et, H, 83-5.degree., -; Pr, H, 93.4-5.8.degree., -; D, H, -, 238-9.degree.; OEt, H, -, 225-7.degree. (decompn.); NMe2, H, -, 242-6.degree.; A, H, 110.6-13.degree., 266-7.degree.; B, H, 101-3.degree., -; C, H, -, 254-6.5.degree.; the following I (COR replaced by H, R3, R1, R2, m.p., and m.p. HCl salt given): H, PhCH2, Bu, -, -, (2HCl salt m. 230.4-2.degree.); o-Me, PhCH2, H, 103-3.8.degree., -; p-MeO, PhCH2, H, 65-6.degree., -; m-Me, PhCH2, H, -, -, (2HCl salt m. 254-6.5.degree.); m-MeO, PhCH2, H, -, -, 2HCl salt m. 203.5-20.degree.; p-MeO, PhCH2, H, -, -, 2HCl salt m. 252-65.degree.; and I (R3, R, R1, R2, m.p. and m.p. HCl salt given): m-MeO, Me, PhCH2, H, -, -; p-Me, Et, PhCH2, H, -, 210-20.degree.; m-Me, Et, PhCH2, H, 73.5-4.5.degree., -; H, Et, PhCH2, Bu, -, 80-100.degree.; p-Me, Et, H, H, -, 176-7.degree.; m-MeO, Me, H, H, 110-12.8.degree., -; p-MeO, Et, H, H, -, -; and the following N-(Ar-substituted)-1-benzyl-4-piperidylideneamines (Ar and b.p./mm. given): Ph, 170.degree./-0.05; o-tolyl, 176-85.degree./0.6; m-MeOC6H4, 180-90.degree./0.1; p-MeOC6H4, 200-10.degree./0.2. I (R3 = H, R = Et, R1 = p-O2NC6H4-CH2CH2, R2 = H) is converted to the p-amino compd., m. 150-1.degree..

L5 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1965:90827 CAPLUS

DN 62:90827

OREF 62:16209b-g

TI Aroylalkyl and hydroxyarylalkyl derivatives of 4-(N-arylalkanamido) piperidines and related compounds

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium, Dr. C. Janssen

SO 5 pp.

DT Patent

LA Unavailable

FAN.CNT 1

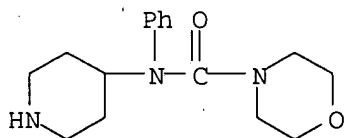
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3171838		19650302	US	19611010
	GB 992732			GB	
IT	1475-04-3,				

4-Morpholinecarboxanilide, N-4-piperidyl-,

hydrochloride **1475-05-4**, 1-Piperidinecarboxanilide,
N-4-piperidyl- **1506-88-3**, 1-Pyrrolidinecarboxanilide,
N-4-piperidyl-, hydrochloride **1605-99-8**, 1-
Pyrrolidinecarboxanilide, N-4-piperidyl-
(prepn. of)

RN 1475-04-3 CAPLUS

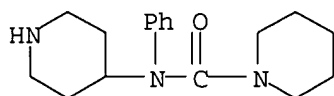
CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA
INDEX NAME)



● HCl

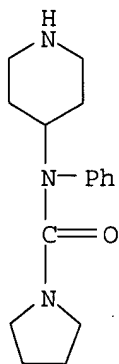
RN 1475-05-4 CAPLUS

CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidiny- (9CI) (CA INDEX NAME)



RN 1506-88-3 CAPLUS

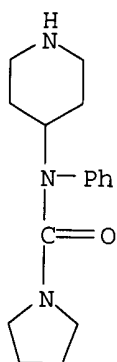
CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA
INDEX NAME)



HCl

RN 1605-99-8 CAPLUS

CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.

AB The title compds. were prepd. by condensing an aroylalkyl halide with a **piperidine** of the formula I (when R = H), where Ar consists of Ph or thienyl, X is CO, CH(OH), or C(O-lower alkanoyl)H, and R1 consists of lower alkyl, alkoxy, dimethylamino, morpholino, piperidino, or 1-pyrrolidinyl. The prepn. of the following compds. is described in Fr. 1,344,366 (CA 61, 3076d): N-(1-benzyl-4-piperidylidene)aniline, b0.05 170.degree.; 1-benzyl-4-anilinopiperidine, m. 84.8-86.degree. (petr. ether), N-(1-benzyl-4-piperidyl)acetanilide (I, R = PhCH2, R1 = Me), m. 107-9.2.degree. (decompn.); N-(4-piperidyl)acetanilide (I, R = H, R1 = Me), m. 129-30.degree. The following I were similarly prepd. (R, R1, m.p., and m.p. HCl salt given): PhCH2, Et, 74-6.degree., --; PhCH2, Pr, --, 230-1.degree.; PhCH2, EtO, --, 231-3.degree.; PhCH2, MeO, --, ---; PhCH2, Cl, --, 178-85.degree.; PhCH2, piperidino, 115-16.degree., --; PhCH2, pyrrolidino, 92-5.5.degree., --; PhCH2, NMe2, 99.8-101.degree., --; H, Et, 83-5.degree., --; H, Pr, 93.4-5.8.degree., --; H, EtO, --, 225-7.degree.; H, pyrrolidino, 110.6-13.degree., 266-7.degree.; H, piperidino, 101-3.degree., --; H, morpholino, --, 254-6.5.degree.; H, NMe2, --, 242-6.degree. A mixt. of 4.7 parts phenacyl bromide, 4.5 parts I (K = H, R1 = Et), 6 parts Na2CO3, and 0.1 part KI in 120 parts 4-methyl-2-pentanone was refluxed with stirring 16 hrs. to give N-(1-phenacyl-4-piperidyl)propionanilide (I, R = BzCH2, R1 = Et), m. 83-4.5.degree. (Et2O). The following I were similarly prepd. (R, R1, m.p., and m.p. HCl salt given): BzCH2, Me, 122-3.degree., --; BzCH2, Pr, 107-8.degree., --; BzCHMe, Et, --, 203-8.degree.; BzCHEt, Et, 108.6-9.2.degree., --; BzCH2CH2, Me, --, 214-15.5.degree.; BzCH2CH2, Et, --, - (oxalate m. 150-1.degree.); 2-thenoylmethyl, Et, 98-9.5.degree., -- (oxalate m. 197-8.degree.). A mixt. of 3 parts styrene oxide and 4.7 parts I (R = H, R1 = Me) was heated 20 hrs. at 100.degree. to give N-[(.beta.-hydroxyphenethyl)-4-piperidyl]acetanilide (I, R = PhCH(OH)CH2, R1 = Me), m. 125.8-8.6. The following I were similarly prepd. (R, R1, m.p., and m.p. HCl salt given): PhCH(OH)CH2, Et, --, 221.8-5.4.degree.; PhCH(OH)CH2, Pr, 100-2.degree., --; PhCH(OH)CH2, EtO, 97-8.degree., --; PhCH(OH)CH2, MeO, --, --; PhCH(OH)CH2, piperidino, 105.5-6.6.degree., --; PhCH(OH)CH2, NMe2, --, --; PhCH(OH)CH2, pyrrolidino, 144.2-46.degree., --; PhCH(OH)CH2, morpholino, --, --. A soln. of I (R = BzCHMe, R1 = Et) (regenerated from 6.4 parts of the corresponding HCl salt) in 80 parts MeOH was reduced at room temp. with 0.37 part NaBH4 to yield N-[1-(.beta.-hydroxy-.alpha.-methylphenethyl)-4-piperidyl]propionanilide (I, R = PhCH(OH)CHMe, R1 = Et), m. 113.2-15.4.degree. The following I were similarly prepd. (R, R1, and m.p. given): PhCH(OH)CHEt, Et, 149-9.6.degree.; PhCH(OH)CH2CH2, Et, -- (oxalate m. 114-18.degree.); 2-hydroxy-2-(2-thienyl)ethyl, Et, 96-7.degree. An aq. soln. of 3.88

parts I (R = PhCH(OH)CH₂, R₁ = Et) was alkalinized, extd. with PhMe, the PhMe soln. dried (MgSO₄) and evapd. The residue in 56 parts C₆H₆ and 45 parts propionic anhydride was refluxed 5 hrs. to give N-[1-(.beta.-propionyloxyphenethyl)-4-piperidyl]propionanilide (I, R = PhCH(O₂C₂H₅)CH₂, R₁ = Et), m. 87-88.5.degree.. I (R = PhCH(O₂C₂H₅)CHMe, R₁ = Et) oxalate, m. 56-58.degree., was similarly prepd. The compds. have analgesic and mydriatic properties.

L5 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1965:82455 CAPLUS

DN 62:82455

OREF 62:14634e-h,14635a-d

TI N-(1-Aralkyl-4-piperidyl)alkanoic acid anilides

IN Janssen, Paul A. J.

PA N. V. Research Laboratory, Dr. C. Janssen

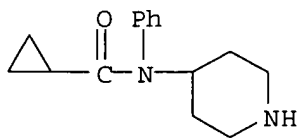
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DT Patent

LA Unavailable

FAN.CNT 1

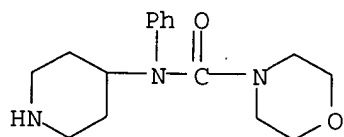
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				US	19611010
IT	1432-04-8, Cyclopropanecarboxanilide, N-4-piperidyl-, hydrochloride 1475-04-3, 4-Morpholinecarboxanilide, N-4-piperidyl-, hydrochloride 1475-05-4, 1-Piperidinecarboxanilide, N-4-piperidyl- 1506-88-3, 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, hydrochloride 1605-99-8, 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (prepn. of)				
RN	1432-04-8 CAPLUS				
CN	Cyclopropanecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)				



● HCl

RN 1475-04-3 CAPLUS

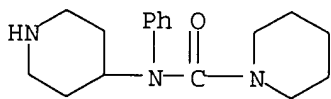
CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

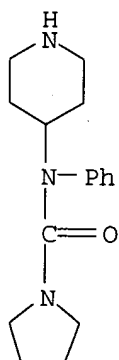
RN 1475-05-4 CAPLUS

CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1506-88-3 CAPLUS

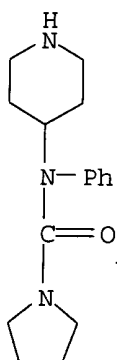
CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



HCl

RN 1605-99-8 CAPLUS

CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.

AB .beta.-Arylethyl halides are treated with compds. of the general formula I (R₁ = H) to give compds. of the general formula II which can be used as analgesic agents. Thus, a mixt. of 95 parts 1-benzyl-4-piperidone, 60 parts PhNH₂, 800 parts PhMe, and 0.05 part p-MeC₆H₄SOH is refluxed 15 hrs. to give N-(1-benzyl-4-piperidylidene)aniline (III), b.p. 170.degree.. Similarly prepd. are the following IV (X, X₁, X₂, and b.p./mm. given): Me, H, H, 176-85.degree./0.05; H, Me, H, 190-6.degree./0.6; H, MeO, H, 180-90.degree./0.1; H, H, MeO, 200-10.degree./0.2. III (26 parts) in 200 parts ether is refluxed 5 hrs. with 8 parts LiAlH₄ in 200 parts ether to give 1-benzyl-4-anilinopiperidine (V), m. 84.8-6.degree. (petr. ether). Similarly prepd. are the following VI (R = H) (X, X₁, X₂, m.p., and m.p. 2HCl salt given): Me, H, H, 103-3.8.degree., --; H, H, MeO, 63-6.degree., --; H, Me, H, --, 254-6.5.degree.. Also prepd. is VI (X = X₁ = X₂ = H, R = Bu) 2HCl salt, m. 230.4-2.degree.. V (19.5 parts) in 160 parts C₆H₆ is refluxed 2 hrs. with 10 parts Ac₂O in 40 parts C₆H₆ to give N-(1-benzyl-4-piperidyl)acetanilide (VII), m. 107-9.2.degree. (decompn.). Similarly prepd. are the following I (R₁ = PhCH₂) (1R, R₂, X, X₁, X₂, m.p., and m.p. HCl salt given): Me, H, H, Me, H, 73.8-4.4.degree., --; Et, H, H, H, H, 74-6.degree., --; Et, H, H, H, Me, --, 210-20.degree.; Et, H, H, Me, H, 73.5-4.5.degree., --; Et, Bu, H, H, H, --, 80-100.degree.; Pr, H, H, H, H, --, 230-1.degree.; cyclopropyl, H, H, H, H, --, 255PhC-8.degree.; EtO, H, H, H, H, --, 231-3.degree.; Cl, H, H, H, H, --, 178-85.degree.. A mixt. of 25 parts I (R = Cl, R₁ = PhCH₂, R₂ = X = X₁ = X₂ = H) HCl, 60 parts **piperidine**, and 120 parts C₆H₆ is refluxed 3 hrs. to give I (R = piperidino, R₁ = PhCH₂, R₂ = X = X₁ X₂ = H), m. 115-16.degree.. Similarly prepd. are the following I (R₁ = PhCH₂, R₂ = X = X₁ = X₂ = H) (R and m.p. given): pyrrolidino, 92-5.5.degree.; morpholino, 104-6.degree.. VII (16.5 parts) is hydrogenated in 160 parts EtOH in the presence of 10% Pd/C to give N-(4-piperidyl)acetanilide, m. 129-30.degree.. Similarly prepd. is N-(4-piperidyl)propionanilide (VIII), m. 83-5.degree.. Similarly prepd. are the following I (R₁ = R₂ = H) (R, X, X₁, X₂, m.p., and m.p. HCl salt given): Pr, H, H, H, 93.4-5.8.degree., --; cyclopropyl, H, H, H, --, 238-9.degree.; Et, H, H, Me, --, 176-7.degree.; EtO, H, H, H, --, 225-7.degree. (decompn.); Me₂N, H, H, H, --, 242-6.degree.; pyrrolidino, H, H, H, 110.6-13.degree., 266-7.degree.; piperidino, H, H, H, 101-3.degree., --; morpholino, H, H, H, --, 254-6.5.degree.; Me, H, MeO, H, 110-12.8.degree., --; Et, H, H, MeO, --, --. A mixt. of 5.2 parts .beta.-cyclohexylethyl bromide, 5.9 parts VIII, 10 parts Na₂CO₃, 0.05 part KI, and 200 parts iso-PrCH₂Ac is refluxed 36 hrs. to give N-[1-(.beta.-cyclohexylethyl)-4-piperidyl]propionanilide; HCl salt m. 204-6.degree. (Me₂CO). Similarly prepd. are the following II (R₁ = H) (Ar, R, X, X₁, X₂, m.p., and m.p. HCl salt given): Ph, Et, H, H, H,

83-4.degree., --; p-FC6H4, Et, H, H, H, 104-5.degree., --; m-BrC6H4, Et, H, H, H, --, --; p-ClC6H4, Et, H, H, H, 73-4.degree., --; p-MeOC6H4, Et, H, H, H, 97-8.degree., --; p-O2NC6H4, Et, H, H, H, 114-19.degree., --; 2-thienyl, Et, H, H, H, 62-3.degree., --; Ph, Et, H, H, Me, 136-8.degree.; Ph, Pr, H, H, H, 90-1.degree., --; Ph, Et, Me, H, H, --, 194-6.degree.; Ph, Et, H, Me, H, --, 210-18.degree.; Ph, Me, H, Me, H, --, 235.5-41.degree.; Ph, Pr, H, H, H, --, 210-11.degree.; Ph, Et, H, H, Me, --, 210-11.5.degree.; 2-furyl, Et, H, H, H, --, 232.5-3.5.degree.; Ph, NMe2, H, H, H, 115-16.degree. [(iso-Pr)2O], --; Ph, Me, H, Me, H, 94.5-6.degree., --; Ph, EtO, H, H, H, 110-10.8.degree., --; Ph, Me, H, H, H, 96-7.degree., --; Ph, pyrrolidino, H, H, H, 133-4.degree., --; Ph, piperidino, H, H, H, 114.5-16.degree., --; Ph, morpholino, H, H, H, 99-100.degree., --; cyclohexyl, cyclopropyl, H, H, H, 102-2.5.degree., --; cyclohexyl, pyrrolidino, H, H, H, 106-8.degree., --; Ph, Et, H, MeO, H, --, -- (oxalate m. 178.4-9.2.degree.); Ph, cyclopropyl, H, H, H, 119.5-20.4.degree., --. Similarly prepd. are I (R = Et, R1 = PhCHMeCH2, R2 = X = X1 = X2 = H) HCl salt, m. 228-916.degree. (iso-PrOH); I (R = Et, R1 = PhCH2CHMe, R2 = X = X1 = X2 = H) HCl salt, m. 272.8-3.6.degree.; II (R = Et, Ar = Ph, R1 = Bu, X = X1 = X2 = H) HCl salt, m. 168-9.8.degree.; II (R = Et, Ar = Ph, R1 Et, X = X1 = X2 = H). Also prepd. are (m.p. given): II (Ar = p-H2-NC6H4, R = Et, R1 = X = X1 = X2 = H), 150-1.degree.; II (Ar = 2-pyridyl, R = EtO, R1 = X = X1 = X2 = H), 82-3.2.degree. [(iso-Pr)2O]; II (Ar = 4-pyridyl, R = Et, R1 = X = X1 = X2 = H), 123-5.degree..

L5 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1964:418186 CAPLUS

DN 61:18186

OREF 61:3076d-h,3077a-e

TI 1-(.gamma.-Aroylpropyl)-4-(N-arylacylamino)piperidines

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium, Dr. C. Janssen

SO 22 pp.

DT Patent

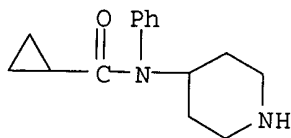
LA Unavailable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1344366		19631129	FR	
			US	19611010
BE 623427			BE	
FR M2429			FR	
FR M2431			FR	
GB 976226			GB	
US 3161637		1964	US	
US 3164600		1965	US	

IT **1432-04-8**, Cyclopropanecarboxanilide, N-4-piperidyl-, hydrochloride **1475-04-3**, 4-Morpholinecarboxanilide, N-4-piperidyl-, hydrochloride **1475-05-4**, 1-Piperidinecarboxanilide, N-4-piperidyl- **1605-99-8**, 1-Pyrrolidinecarboxanilide, N-4-piperidyl- **98980-18-8**, **Piperidine**, 4-(N-phenylbenzamido)-, hydrochloride **106506-21-2**, Cyclopropanecarboxy-o-toluidide, N-4-piperidyl- (prepn. of)

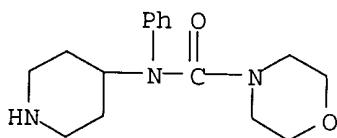
RN 1432-04-8 CAPLUS

CN Cyclopropanecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



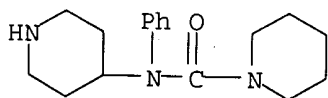
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 CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)

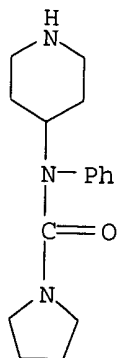


● HCl

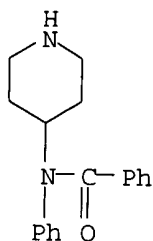
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 CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1605-99-8 CAPLUS
 CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)



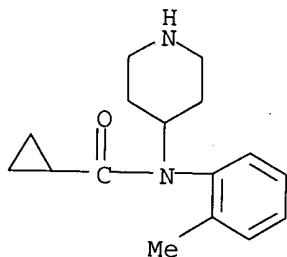
RN 98980-18-8 CAPLUS
 CN Benzamide, N-phenyl-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 106506-21-2 CAPLUS

CN Cyclopropanecarboxy-o-toluidide, N-4-piperidyl- (7CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.

AB 4-(N-Arylacylamino)piperidines are treated with compds. ArCO(CH₂)₃X, where Ar is a hydrocarbon or heterocyclic aryl group and X is a halogen, to give the title compds. Thus, a mixt. of 95 parts 1-benzyl-4-piperidone, 60 parts PhNH₂, 800 parts PhMe, and 0.05 part 4-MeC₆H₄SO₃H is refluxed 15 hrs. to give N-(1-benzyl-4-piperidylidene)aniline (I), b_{0.05} 170.degree.. A soln. of 26 parts I in 200 parts ether is added to a suspension of 8 parts LiAlH₄ in 200 parts ether and the mixt. is refluxed 5 hrs. to give 1-benzyl-4-anilinopiperidine (II), m. 84.6-6.degree. (petr. ether). A soln. of 10 parts Ac₂O in 40 parts C₆H₆ is added to a soln. of 19.5 parts II in 160 parts C₆H₆ and the mixt. is refluxed 3 hrs. to give N-(1-benzyl-4-piperidyl)acetanilide (III), m. 107-9.2.degree. (decompn.). A soln. of III in EtOH is hydrogenated in the presence of 10% Pd-C to give N-(4-piperidyl)acetanilide (IV), m. 129-30.degree.. A soln. of 6 parts 4-FC₆H₄CO(CH₂)₃Cl in 120 parts iso-BuAc is added to a mixt. of 5 parts IV, 7 parts Na₂CO₃, 0.1 part KI, and 80 parts iso-BuAc and the mixt. is refluxed 36 hrs. to give N-[1-[(gamma)-(4-fluorobenzoyl)propyl]4-piperidyl]acetanilide, m. 102-4.degree. [(iso-Pr)₂O]. Similarly prepd. are the following V (Ar = 4-FC₆H₄: R, R₁, R₂, m.p.; Et, H, H, 79.6-81.degree.; Pr, H, H, 95-5.6.degree.; cyclopropyl, H, H, 109-10.degree.; Me, Me, H, 117.5-19.degree.; Me, H, Me, 106.5-7.5.degree.; Et, Me, H, 79.5-81.5.degree.; Et, H, Me, 80-4.degree.; Pr, Me, H (1), 175-7.degree.; Pr, H, Me, 87-7.8.degree.; Bu, Me, H, 69-71.degree.; Et, MeO, H, 87-8.5.degree.; Me, MeO, H, 120.4-2.degree.; cyclopropyl, Me, H, 139-44.degree.; Ph, H, H (2), -, EtO, H, H, 92.8-4.2.degree. (decompn.);

piperidino, H, H, 95-8.degree.; morpholino, H, H, 103.2-8.2.degree. (decompn); NMe₂, H, H, 82-3.5.degree.; pyrrolidino, H, H, 167-8.degree.; piperidino, H, H, 99-9.8.degree.; (1) oxalate m. 126.5-8.degree.; (2) HCl salts m. 209-13.degree.; Almost all compds. recrystd. from (iso-Pr)₂O; also prepd. were the following V: Ar, R, R₁, R₂, m.p.; Ph, Et, H, H, 73-4.degree.; 2-thienyl, Et, H, H, 100-1.5.degree.; 4-ClC₆H₄, Me, H, H, 99.8-101.6.degree.; 4-ClC₆H₄, Et, H, H, 103.5-4.degree.; p-tolyl, Me, H, H, 78-9.5.degree.; p-tolyl, Et, H, H, 81.2-1.6.degree.; 4-MeOC₆H₄, Me, H, H (1), --; 4-MeOC₆H₄, Et, H, H, 175-8.5.degree.; (1) HCl salt m. 237-9.degree.. Also prepd. are the following intermediates VI (R, R', and b.p./mm. given): Me, H, 176-85.degree./0.05; H, Me, 180-90.degree./0.5; MeO, H, 204.degree./1.5; H, MeO, 200-10.degree./0.02. The following VII were prepd. (R, R', and m.p. given): Me, H, 103-3.8.degree.; H, Me, 95.8-6.8.degree.; MeO, H, 91-3.degree.; H, MeO, 65-6.degree. (2HCl salt m. 252-65.degree.). Compds. of formula VIII (R = PhCH₂) are tabulated: R₁, R₂, R₃, m.p.; Me, Me, H, 78.5-9.2.degree.; Me, H, Me, 114-15.degree.; Me, MeO, H, 132-6.degree.; Et, MeO, H, 70-3.4.degree. (decompn.); Et, H, H, 74-6.degree.; Et, H, Me, 111-12.degree.; Et, H, MeO (1), --; Pr, H, H (2), --; Pr, Me, H (3), --; Pr, H, Me (4), --; cyclopropyl, Me, H, 123-4.degree.; Bu, Me, H (5), --; cyclopropyl, H, H (6), --; Ph, H, H, 108-11.degree.; EtO, H, H (7), --; Cl, H, H (8), --; Cl, Me, H (9), --; piperidino, H, H, 115-16.degree.; pyrrolidino, H, H, 92-5.5.degree.; NMe₂, H, H, 99.8-101.degree.; morpholino, H, H, 104-6.degree.; HCl salt m.ps. are (1) 210-20.degree., (2) 230-1.degree., (3) 174-5.degree., (4) 236-8.degree., (5) 164-7.degree., (6) 255-8.degree., (7) 231-3.degree., (8) 178-85.degree., (9) 195-8.degree.. Compds. of the formula VIII (R = H) are tabulated: R₁, R₂, R₃, m.p., m.p. HCl salt; Me, Me, H, 113.5-14.5.degree., --; Et, H, H, 83-5.degree., --; Pr, H, H, 93.4-5.8.degree., --; Ph, H, H, --, 207-10.degree.; cyclopropyl, H, H, --, 238-9.degree.; cyclopropyl, Me, H, 83-5.degree. --; Me, H, Me, 119-21.degree., --; Et, H, Me, --, 176-7.degree.; Pr, H, Me, --, 196-7.5.degree.; Bu, Me, H, --, 129-30.5.degree.; Me, MeO, H, 141-4.5.degree., --; EtO, H, H, --, 225-7.degree. (decompn.); pyrrolidino, H, H, 110.6-13.degree., 266-7.degree.; piperidino, H, H, 101-3.degree., --; morpholino, H, H, --, 254-6.5.degree.; NMe₂, H, H, --, 242-6.degree.;

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L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:964347 CAPLUS
 DN 138:24638
 TI Preparation of thiophenecarboxylic acids and methods for the treatment or prevention of flaviviridae infections such as hepatitis C
 IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe; Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang, Wuyi; Yannopoulos, Constantin
 PA Shire Biochem Inc., Can.
 SO PCT Int. Appl., 314 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002100851	A2	20021219	WO 2002-CA876	20020611
	WO 2002100851	A3	20030227		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

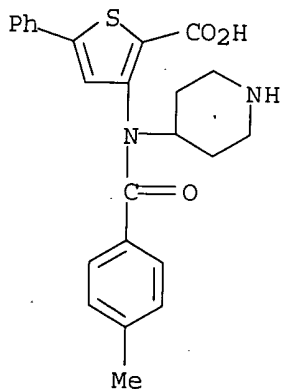
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
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 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
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 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 US 2001-296731PP 20010611

OS MARPAT 138:24638

IT **478025-80-8P**, 3-[(4-Methylbenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

RN 478025-80-8 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(4-methylbenzoyl)-4-piperidinylamino]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

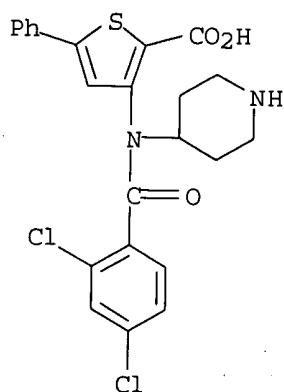


● HCl

IT **478025-82-0P**, 3-[(2,4-Dichlorobenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride **478027-54-2P**, 3-[(2,4-Dichlorobenzoyl)(3-methylpiperidin-4-yl)amino]-5-phenylthiophene-2-carboxylic acid mono(trifluoroacetate) **478027-89-3P**, 3-[(4-Methylcyclohexylcarbonyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

RN 478025-82-0 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)-4-piperidinylamino]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)

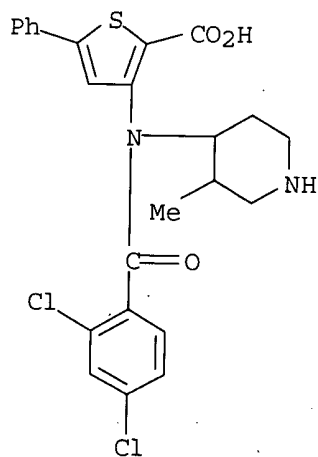


● HCl

RN 478027-54-2 CAPLUS
 CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)(3-methyl-4-piperidyl)amino]-5-phenyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

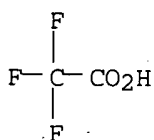
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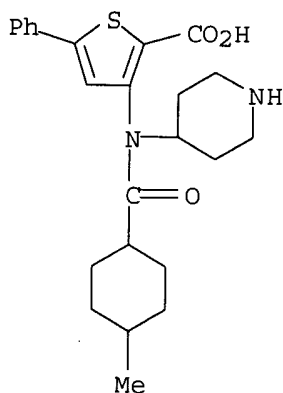
CM 2

CRN 76-05-1
 CMF C2 H F3 O2



RN 478027-89-3 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[[[4-methylcyclohexyl)carbonyl]-4-piperidinylamino]-5-phenyl- (9CI) (CA INDEX NAME)

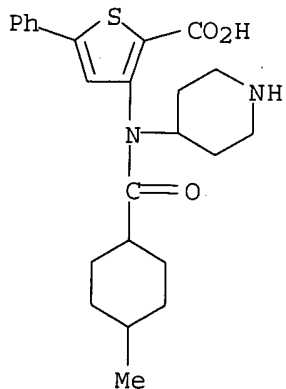


IT **478027-22-4P**, 3-[[[4-Methylcyclohexylcarbonyl) (piperidin-4-yl)amino]-5-phenylthiophene-2-carboxylic acid lithium salt
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

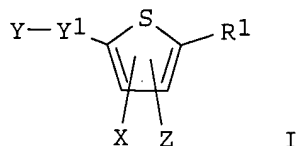
RN 478027-22-4 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[[[4-methylcyclohexyl)carbonyl]-4-piperidinylamino]-5-phenyl-, monolithium salt (9CI) (CA INDEX NAME)



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GI

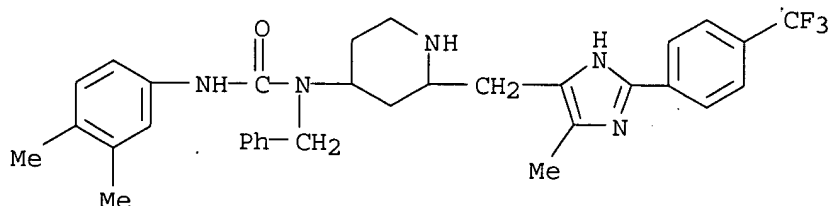


AB The present invention provides novel thiophenes (shown as I; variables defined below; e.g. 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid) or pharmaceutically acceptable salts thereof useful for treating flaviviridae viral infection. For I: X = -NR₃MR₂, -JNR₂R₃; M = -SO₂-, -S(O)-, -S-, -C(O)-, -C(S)-, -C(O)NR₄-, -C(S)NR₁₅-, -CHR₁₅-, -C(:NR₈)-, a bond; R₄ is C1-6 alkyl; R₈ = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 **heterocycle**, C3-12 heteroaralkyl, C6-16 aralkyl; and R₁₅ = H or C1-6 alkyl; J = -C(:W)-, -CHR₆-, -S-, -S(O)-, -SO₂-; W = O, S or NR₇, wherein R₇ = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 **heterocycle**, C3-12 heteroaralkyl, C6-16 aralkyl; and R₆ = H, C1-12 alkyl, C6-14 aryl or C6-16 aralkyl. Y₁ = a bond, C1-6 alkyl, C2-6 alkenyl or C2-6 alkynyl; Y = COOR₁₆, COCOOR₅, P(O)ORaORb, S(O)OR₅, S(O)2OR₅, tetrazole, CON(R₉)CH(R₅)COOR₅, CONR₁₀R₁₁, CON(R₉)SO₂R₅, CONR₉OH or halogen, wherein R₉, R₅, R₁₀ and R₁₁ = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C3-12 **heterocycle**, C3-18 heteroaralkyl, C6-18 aralkyl; or R₁₀ and R₁₁ are taken together with the N to form a 3-10 membered **heterocycle**; Ra and Rb = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 **heterocycle**, C3-18 heteroaralkyl and C6-18 aralkyl; or Ra and Rb are taken together with the oxygens to form a 5-10 membered **heterocycle**. R₁₆ = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 **heterocycle**, C3-18 heteroaralkyl and C6-18 aralkyl; provided that R₁₆ is other than Me or Et; R₁ = C2-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 **heterocycle**, C3-18 heteroaralkyl or C6-18 aralkyl; R₂ = C2-12 alkyl, C2-12 alkynyl, C6-14 aryl, C3-12 **heterocycle**, C3-18 heteroaralkyl, or C6-18 aralkyl; R₃ = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 **heterocycle**, C3-18 heteroaralkyl or C6-18 aralkyl; Z = H, halogen, C1-6 alkyl; with provisos. Twenty-five example preps. of I are included. For example, 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was prepd. by adding 1 N aq. soln. of LiOH.H₂O (64.378 mmol) to a suspension of 3-amino-5-phenylthiophene-2-carboxylic acid Me ester (21.459 mmol) in a mixt. of THF:MeOH:H₂O (3:2:1, 75 mL) and stirring at 85.degree. (external temp.) for 4 h. Solvents were removed under reduced pressure and the residue was partitioned between H₂O and EtOAc. The H₂O layer was sepd. and acidified with 1 N HCl soln. and then EtOAc was added to it. The formed intermediate 3-amino-5-phenylthiophene-2-carboxylic acid (4.15 g, 88%; 0.457 mmol) was taken in a mixt. of dioxane and H₂O (1:1, 25 mL) and then Na carbonate (2.285 mmol) and 1-chlorophenylsulfonyl chloride (1.369 mmol) were added. The reaction mixt. was stirred at room temp. for 12 h and eventually 69% of 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was obtained. Results of evaluation of approx. 580 I in the hepatitis C virus (HCV) RNA-dependent RNA polymerase and/or anti-helicase assays are tabulated.

=> d 17 fbib hitstr abs total

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:777922 CAPLUS
 DN 137:279193
 TI Preparation of imidazolylalkyl-aminopiperidines as HIV inhbitors
 IN Edlin, Christopher David; Redshaw, Sally; Smith, Ian Edward David; Walter, Daryl Simon
 PA F. Hoffmann-La Roche A.-G., Switz.
 SO PCT Int. Appl., 179 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002079186	A2	20021010	WO 2002-EP3193	20020321
	WO 2002079186	A3	20030501		
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				GB 2001-8099	A 20010330
	US 2003069276	A1	20030410	US 2002-104117	20020322
				GB 2001-8099	A 20010330
OS	MARPAT 137:279193				
IT	466665-20-3P , 1-Benzyl-1-[2-[[2-[4-(trifluoromethyl)phenyl]-5-methyl-1H-imidazol-4-yl]methyl]-4-piperidinyl]-3-(3,4-dimethylphenyl)urea RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (HIV inhibitor; prepn. of imidazolylalkyl-aminopiperidines as HIV inhbitors)				
RN	466665-20-3 CAPLUS				
CN	Urea, N'-(3,4-dimethylphenyl)-N-[2-[[5-methyl-2-[4-(trifluoromethyl)phenyl]-1H-imidazol-4-yl]methyl]-4-piperidinyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)				

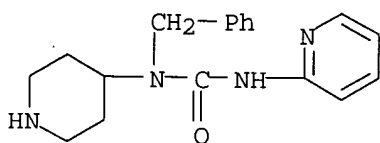


IT **466663-48-9P**, 1-Benzyl-1-piperidin-4-yl-3-pyridin-2-ylurea
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

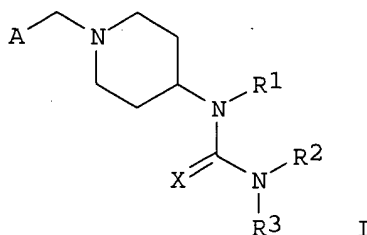
(intermediate; prepn. of imidazolylalkyl-aminopiperidines as HIV inhibitors)

RN 466663-48-9 CAPLUS

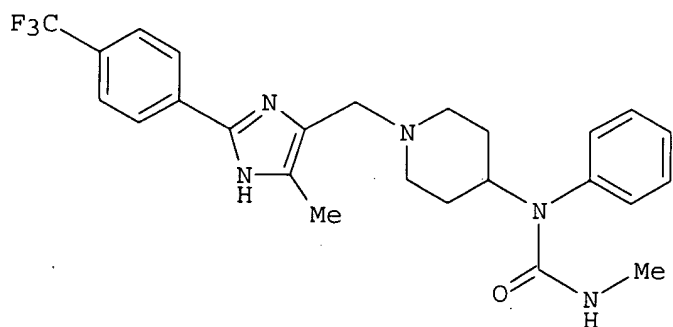
CN Urea, N-(phenylmethyl)-N'-4-piperidinyl-N'-2-pyridinyl- (9CI) (CA INDEX NAME)



GI



I



II

AB Title compds. I [R1 = H, alkyl, **cycloalkyl**, allyl, aryl, heterocyclyl; R2-3 = H, alkyl, **cycloalkyl**, allyl, aryl, heterocyclyl; X = S, O; A = imidazolyl] were prepd. For instance, N-tert-butoxycarbonyl-4-piperidone was used to alkylate aniline (CH₂Cl₂, HOAc, NaHB(OAc)₃), the product converted to the corresponding carbamoyl chloride (CH₂Cl₂/PhMe, NaHCO₃, Cl₂CO) which was reacted with methylamine to give the urea intermediate. This was deprotected and the resulting **piperidine** alkylated with 5-methyl-2-(4-trifluoromethylphenyl)-1H-imidazole-4-carboxaldehyde (CH₂Cl₂, NaHB(OAc)₃) to afford II. In the gp120-sCD4-CCR5 binding assay, compds. of the invention had IC₅₀ of about 0.5 to about 1500 nM. Compds. I prevent the human immunodeficiency virus (HIV) from entering cells by blocking interaction of the viral envelope

protein gp120 with a chemokine receptor on the cell surface. I are useful for the treatment of diseases mediated by the human immunodeficiency virus (HIV), either alone or in combination with other inhibitors of HIV viral replication or with pharmacoenhancers.

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:240729 CAPLUS
 DN 136:279344
 TI Preparation of substituted amino-aza-cycloalkanes as anti-malarial agents
 IN Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein, Sylvia; Weller, Thomas
 PA Actelion Pharmaceuticals Ltd., Switz.
 SO PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002024649	A1	20020328	WO 2001-EP10272	20010906
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2001091830	A5	20020402	WO 2000-EP9328 W	20000925
			AU 2001-91830	20010906
			WO 2000-EP9328 A	20000925
			WO 2001-EP10272W	20010906
NO 2003001331	A	20030324	NO 2003-1331	20030324
			WO 2000-EP9328 A	20000925
			WO 2001-EP10272W	20010906

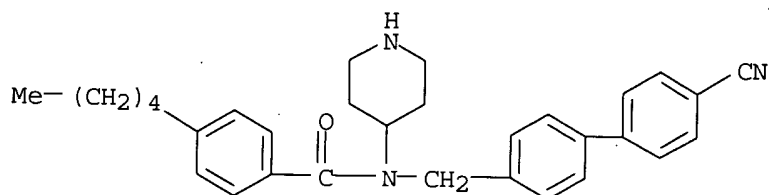
OS MARPAT 136:279344

IT 405514-84-3

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant; prepn. of substituted amino-aza-cycloalkanes as anti-malarial agents)

RN 405514-84-3 CAPLUS

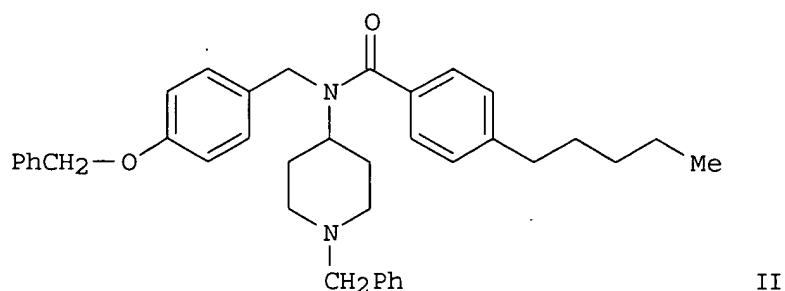
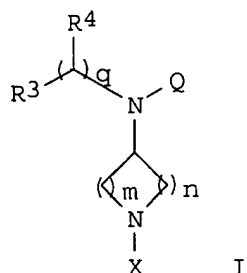
CN Benzamide, N-[(4'-cyano[1,1'-biphenyl]-4-yl)methyl]-4-pentyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



GI

Patel

<6/13/2003>



AB Title compds. I [Q = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁, (CH₂)_pCHR₁R₂; X = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁, (CH₂)_pCHR₁R₂, H; R₁-3 = alk(en)yl, (hetero)aryl, **cycloalkyl**, heterocyclyl, aryl-alkyl, heteroaryl-alkyl, **cycloalkyl**-alkyl, heterocyclyl-alkyl, etc.; R₄ = H, CH₂OR₅, COOR₅; R₅ = H, (cyclo)alkyl, (hetero)aryl, heterocyclyl, **cycloalkyl**-alkyl, aryl-alkyl, etc.; q = 0-1, in case t=0, R₄ is absent; m = 2-4; n = 1-2; p = 0-2] were prepd. Examples include characterization and bioassay data for over 100 compds. For instance, 1-benzyl-4-[(4-(benzyloxy)benzyl)amino]**piperidine** was acylated with 4-pentylbenzoyl chloride to give II. II had IC₅₀ = 70 nM for plasmepsin II. I are useful as inhibitors of the plasmodium falciparum protease plasmepsin II or related aspartic proteases.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

AN 2001:851116 CAPLUS

DN 135:371644

TI Pharmaceutically active **piperidine** derivatives, in particular as modulators of chemokine receptor activity

IN Burrows, Jeremy; Cooper, Anne; Cumming, John; Mcinally, Thomas; Tucker, Howard

PA Astrazeneca AB, Swed.

SO PCT Int. Appl., 122 pp.

CODEN: PIXXD2

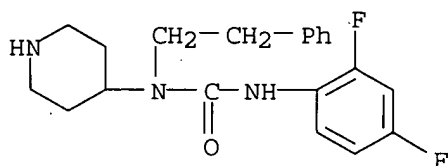
DT Patent

LA English

FAN.CNT 1

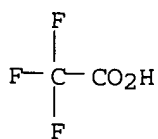
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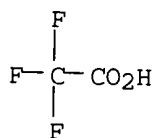
PI WO 2001087839 A1 20011122 WO 2001-SE1053 20010514
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 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
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 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 BR 2001010767 A 20030211 GB 2000-11838 A 20000517
 BR 2001-10767 20010514
 GB 2000-11838 A 20000517
 WO 2001-SE1053 W 20010514
 EP 1289957 A1 20030312 EP 2001-932457 20010514
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 GB 2000-11838 A 20000517
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 NO 2002005430 A 20021218 NO 2002-5430 20021113
 GB 2000-11838 A 20000517
 WO 2001-SE1053 W 20010514
 OS MARPAT 135:371644
 IT **374724-63-7P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (pharmaceutically active **piperidine** derivs. as modulators of
 chemokine receptor activity)
 RN 374724-63-7 CAPLUS
 CN Urea, N'-(2,4-difluorophenyl)-N-(2-phenylethyl)-N-4-piperidinyl-,
 mono(trifluoroacetate) (9CI) (CA INDEX NAME)
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 CRN 374724-62-6
 CMF C20 H23 F2 N3 O



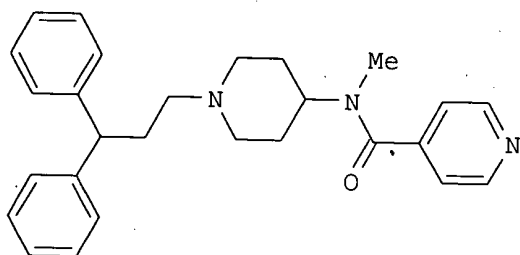
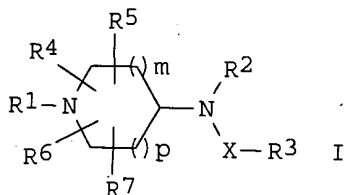
CM 2

CRN 76-05-1
 CMF C2 H F3 O2





GI



II

AB The title compds., e.g., [I; R1 = (un)substituted C1-6 alkyl, C3-7 **cycloalkyl**, C3-8 alkenyl or C3-8 alkynyl; R2 = H, C1-8 alkyl, C3-8 alkenyl, C3-8 alkynyl, C3-7 **cycloalkyl**, aryl, heteroaryl, heterocyclyl, aryl (C1-4)alkyl, heteroaryl(C1-4)alkyl, or heterocyclyl(C1-4)alkyl; R3 = C1-8 alkyl, C2-8 alkenyl, mono- or disubstituted amine, C2-8 alkynyl, C3-7 **cycloalkyl**, C3-7 cycloalkenyl, aryl, heteroaryl, heterocyclyl, aryl (C1-4)alkyl, heteroaryl(C1-4)alkyl, or heterocyclyl(C1-4)alkyl; R4, R5, R6 and R7 = independently H, (un)substituted C1-6 alkyl, (un)substituted S(O)₂NH₂ or two of R4, R5, R6 and R7 can join to form, together with the ring to which they are attached, a bicyclic ring system or two of R4, R5, R6 and R7 can form an endocyclic bond; X = C(O), S(O)₂, C(O)C(O), a direct bond or (un)substituted C(O)C(O)N; m and p = independently 0, 1 or 2; or a pharmaceutically acceptable salt or solvate thereof], compns. comprising them, processes for prepg. then and their use in modulating CCR5 receptor activity (no data). Thus, reacting isonicotinic acid with 4-methylamino-1-(3,3-diphenylpropyl)**piperidine** hydrochloride (prepn. given) in the presence of diisopropylethylamine in NMP followed by a soln. of bromo-tris-pyrrolidinophosphonium hexafluorophosphate in NMP afforded II.

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

Patel

<6/13/2003>

AN 2001:453019 CAPLUS
 DN 135:46106
 TI 4-Aminopiperidine derivatives, processes for their preparation,
 pharmaceutical compositions, and their use as medicines, specifically as
 somatostatin receptor ligands
 IN Thurieau, Christophe; Gonzalez, Jerome; Moinet, Christophe
 PA Societe de Conseils de Recherches et d'Applications Scientifiques
 (S.C.R.A.S.), Fr.
 SO PCT Int. Appl., 193 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001044191	A1	20010621	WO 2000-FR3497	20001213
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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	FR 2802206	A1	20010615	FR 1999-15724	A 19991214
	EP 1286966	A1	20030305	FR 1999-15724	19991214
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			EP 2000-993405	20001213
				FR 1999-15724	A 19991214
				WO 2000-FR3497	W 20001213
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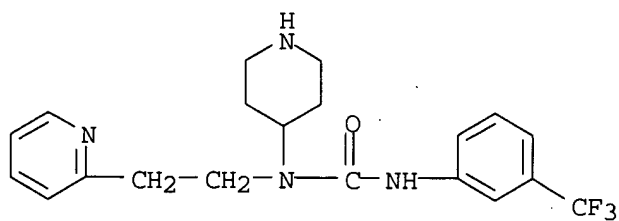
OS MARPAT 135:46106
 IT 344783-91-1P 344783-93-3P 344783-95-5P
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 344784-02-7P 344784-03-8P 344785-45-1P
 344785-46-2P 344785-47-3P 344785-48-4P
 344785-49-5P 344785-50-8P 344785-51-9P
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344788-03-0P 344788-05-2P 344788-07-4P
344788-09-6P 344788-11-0P 344788-13-2P
344788-15-4P 344788-17-6P 344788-19-8P
344788-21-2P 344788-24-5P 344788-26-7P
344788-74-5P 344788-75-6P 344788-76-7P
344788-77-8P 344788-79-0P 344788-80-3P
344788-82-5P 344788-83-6P 344789-56-6P
344789-57-7P 344789-58-8P 344789-59-9P
344789-60-2P 344789-61-3P 344789-62-4P
344789-63-5P 344789-64-6P 344789-65-7P
344789-66-8P 344789-67-9P 344789-68-0P
344789-69-1P 344789-70-4P 344789-71-5P
344789-72-6P 344789-73-7P 344789-74-8P
344789-75-9P 344789-76-0P 344789-77-1P
344789-78-2P 344789-79-3P 344790-73-4P
344790-74-5P 344790-76-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of aminopiperidine derivs. as somatostatin receptor ligands)

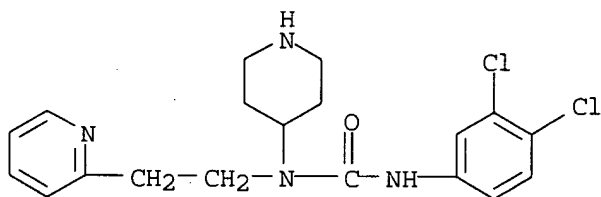
RN 344783-91-1 CAPLUS

CN Urea, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-N'-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



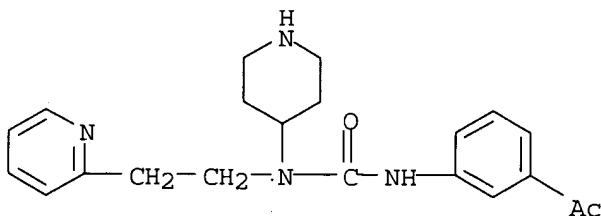
RN 344783-93-3 CAPLUS

CN Urea, N'-(3,4-dichlorophenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



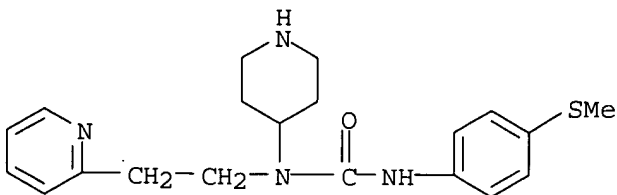
RN 344783-95-5 CAPLUS

CN Urea, N'-(3-acetylphenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



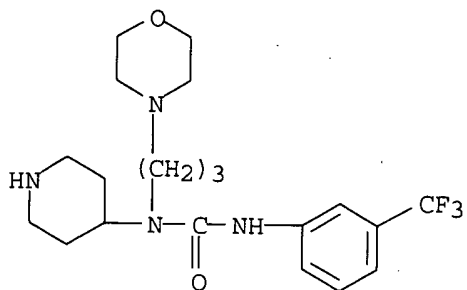
RN 344783-97-7 CAPLUS

CN Urea, N'-[4-(methylthio)phenyl]-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)

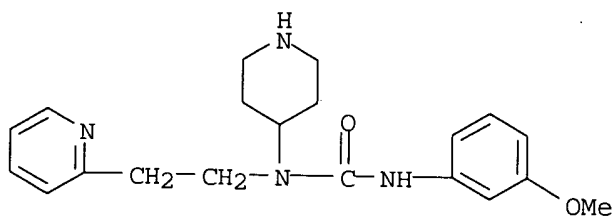


RN 344784-00-5 CAPLUS

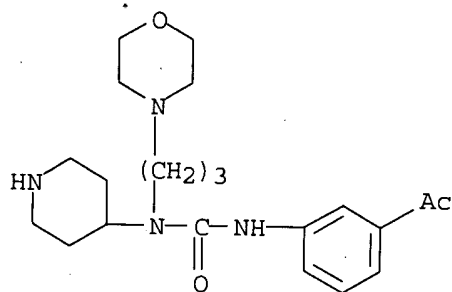
CN Urea, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl-N'-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 344784-01-6 CAPLUS

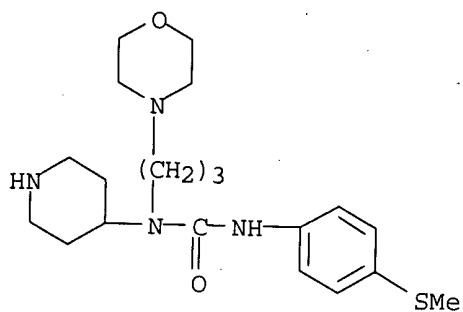
CN Urea, N'-(3-methoxyphenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI)
(CA INDEX NAME)

RN 344784-02-7 CAPLUS

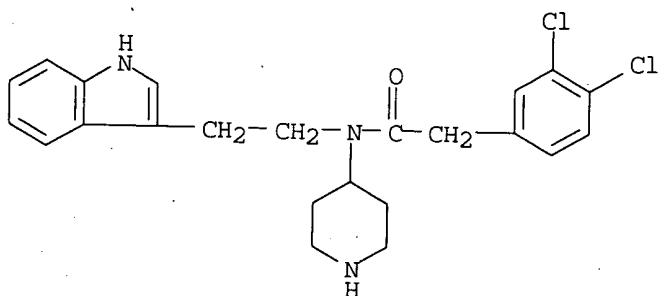
CN Urea, N'-(3-acetylphenyl)-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN . 344784-03-8 CAPLUS

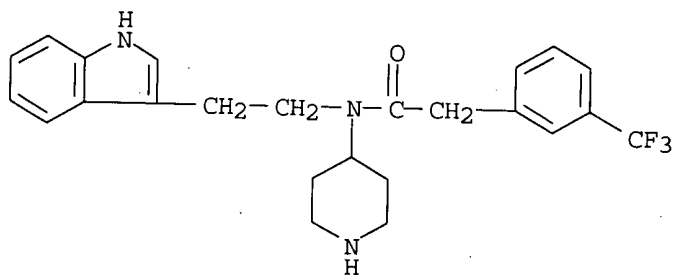
CN Urea, N'-[4-(methylthio)phenyl]-N-[3-(4-morpholinyl)propyl]-N-4-
piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-45-1 CAPLUS

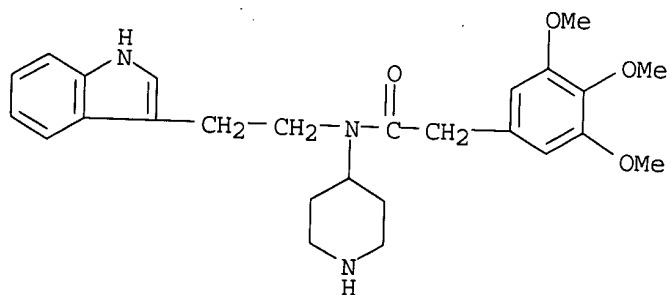
CN Benzeneacetamide, 3,4-dichloro-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344785-46-2 CAPLUS

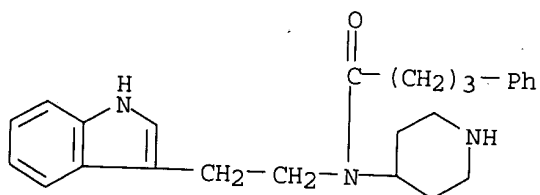
CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 344785-47-3 CAPLUS

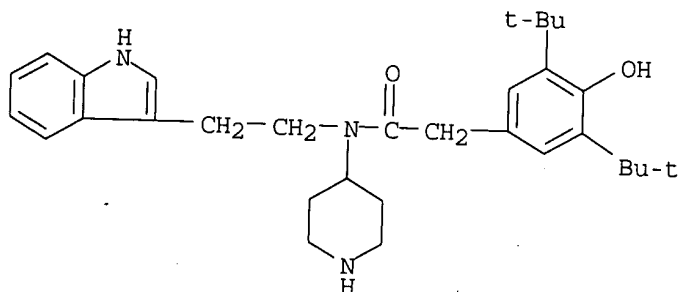
CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-3,4,5-trimethoxy-N-4-
piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-48-4 CAPLUS
 CN Benzenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

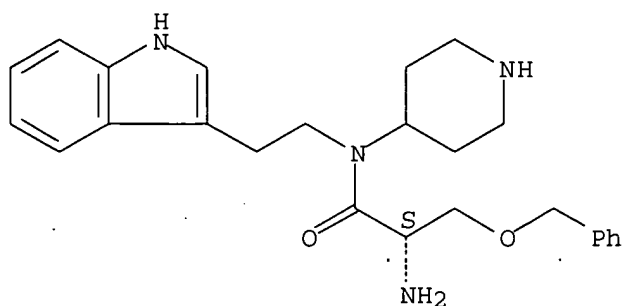


RN 344785-49-5 CAPLUS
 CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

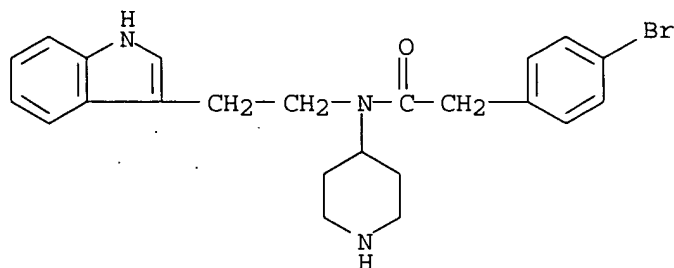


RN 344785-50-8 CAPLUS
 CN Propanamide, 2-amino-N-[2-(1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

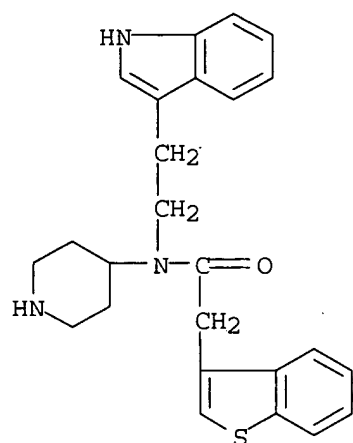
Absolute stereochemistry.



RN 344785-51-9 CAPLUS

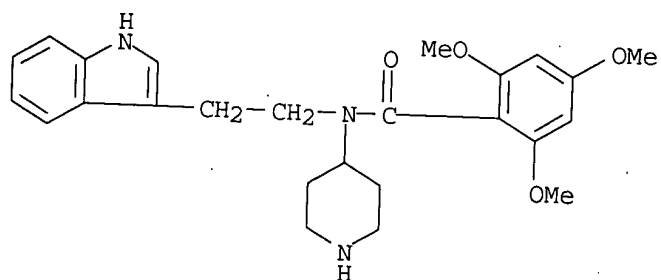
CN Benzeneacetamide, 4-bromo-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344785-52-0 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

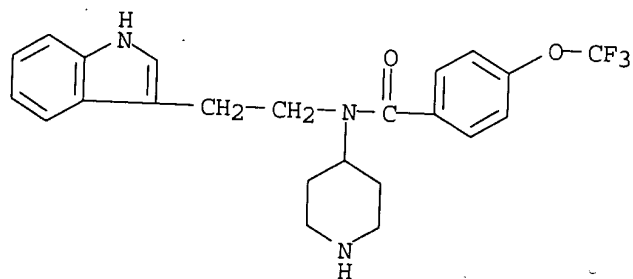
RN 344785-55-3 CAPLUS

CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



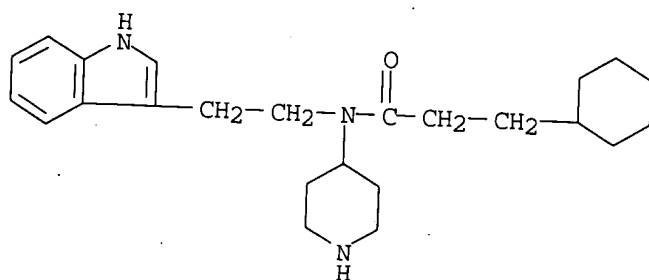
RN 344785-56-4 CAPLUS

CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)-
(9CI) (CA INDEX NAME)



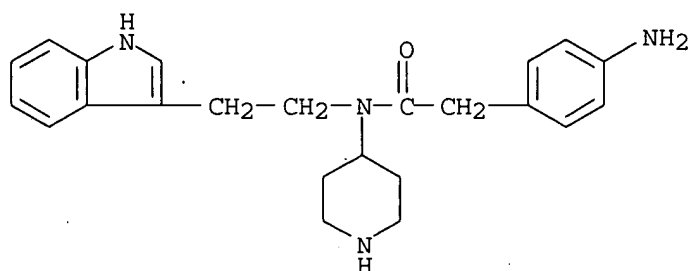
RN 344785-57-5 CAPLUS

CN Cyclohexanepropanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



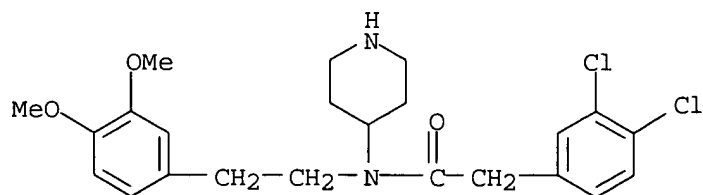
RN 344785-58-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



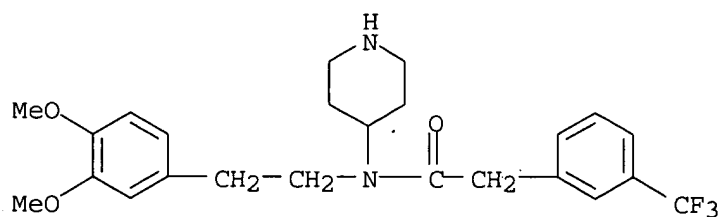
RN 344785-59-7 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



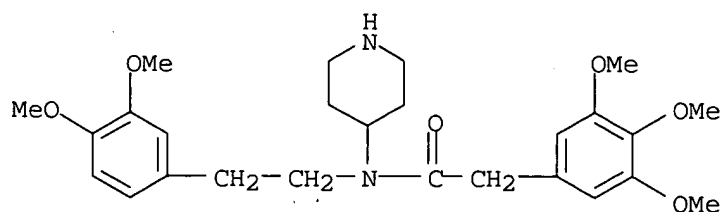
RN 344785-60-0 CAPLUS

CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



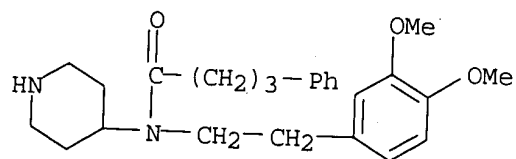
RN 344785-61-1 CAPLUS

CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-3,4,5-trimethoxy- (9CI) (CA INDEX NAME)



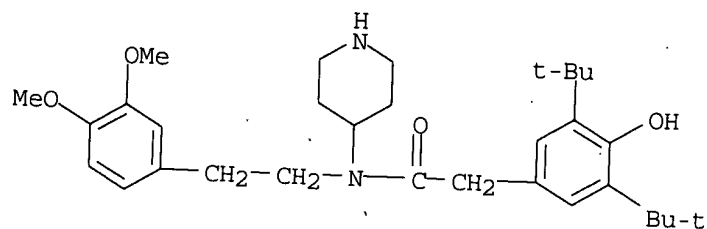
RN 344785-62-2 CAPLUS

CN Benzenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-63-3 CAPLUS

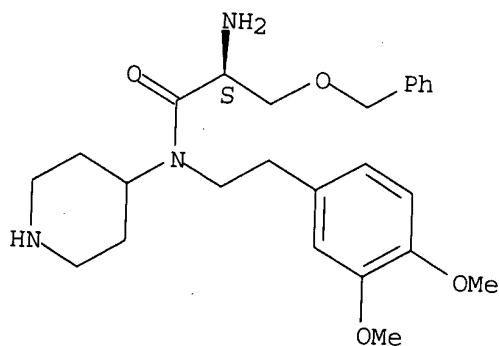
CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-64-4 CAPLUS

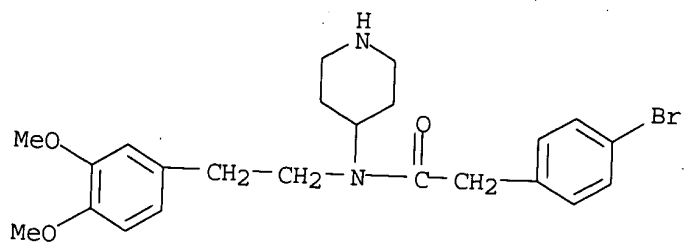
CN Propanamide, 2-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



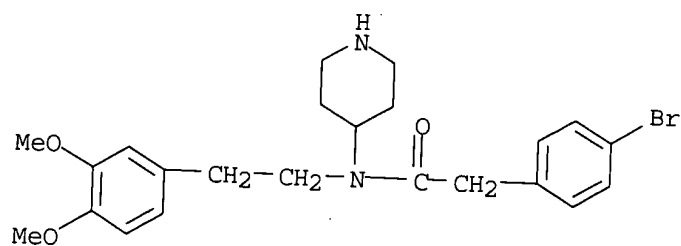
RN 344785-65-5 CAPLUS

CN Benzeneacetamide, 4-bromo-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



Patel

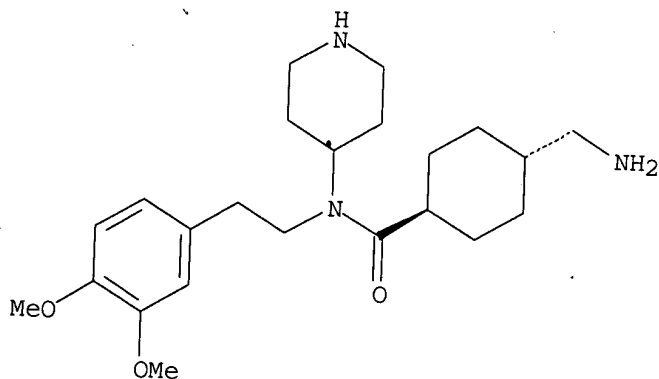
<6/13/2003>



RN 344785-66-6 CAPLUS

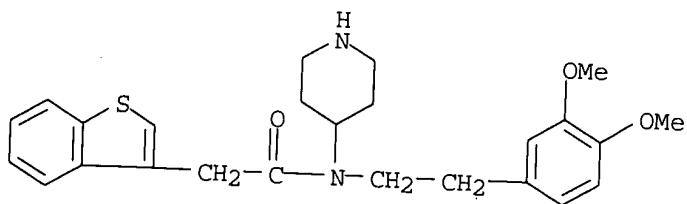
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



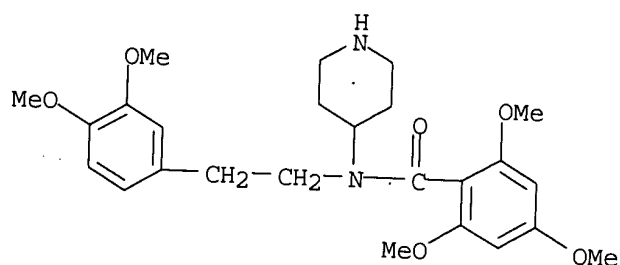
RN 344785-67-7 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

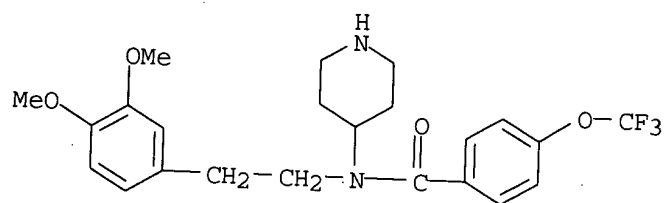


RN 344785-70-2 CAPLUS

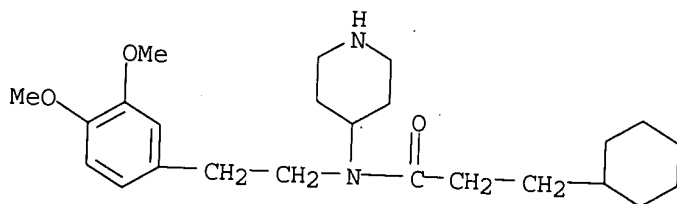
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



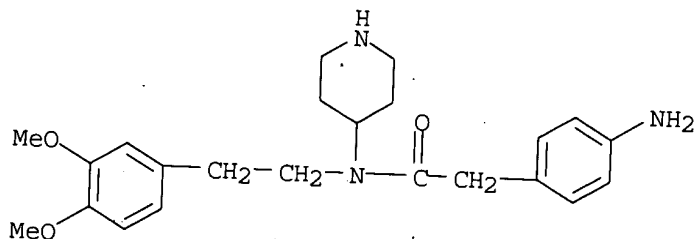
RN 344785-71-3 CAPLUS
 CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



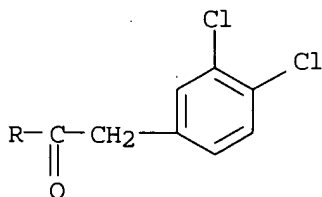
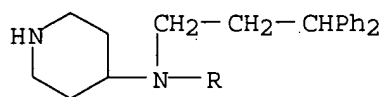
RN 344785-72-4 CAPLUS
 CN Cyclohexanepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-73-5 CAPLUS
 CN Benzeneacetamide, 4-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

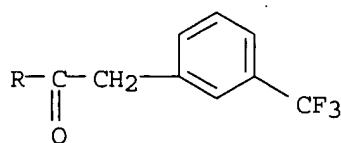
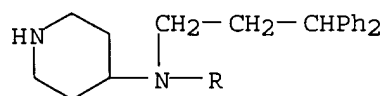


RN 344785-74-6 CAPLUS
 CN Benzeneacetamide, 3,4-dichloro-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



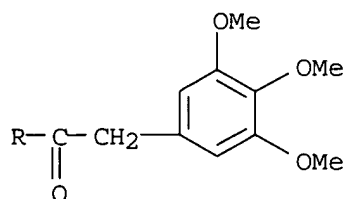
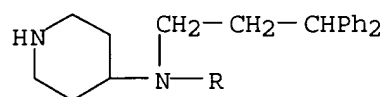
RN 344785-75-7 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



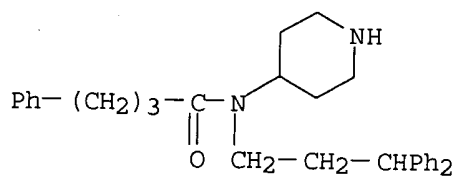
RN 344785-76-8 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



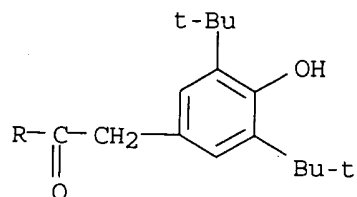
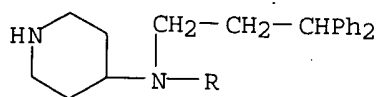
RN 344785-77-9 CAPLUS

CN Benzenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-78-0 CAPLUS

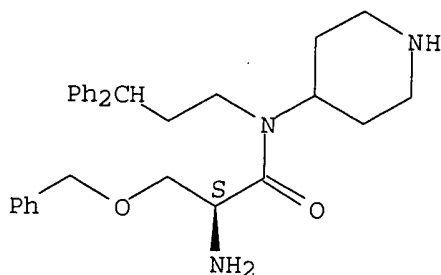
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-N-(3,3-diphenylpropyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-79-1 CAPLUS

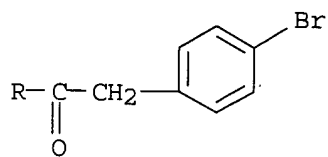
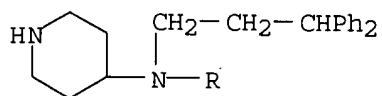
CN Propanamide, 2-amino-N-(3,3-diphenylpropyl)-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



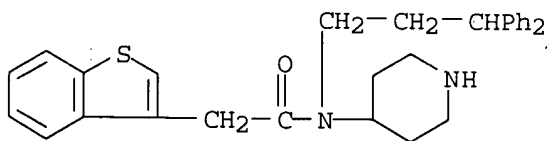
RN 344785-81-5 CAPLUS

CN Benzeneacetamide, 4-bromo-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



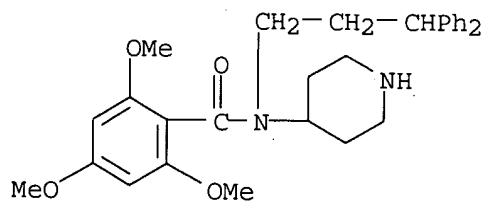
RN 344785-82-6 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



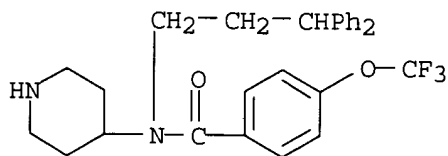
RN 344785-85-9 CAPLUS

CN Benzamide, N-(3,3-diphenylpropyl)-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



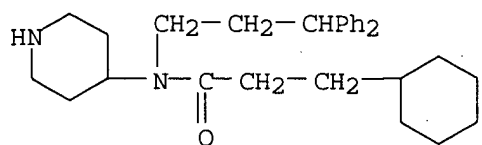
RN 344785-86-0 CAPLUS

CN Benzamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

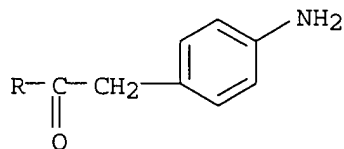
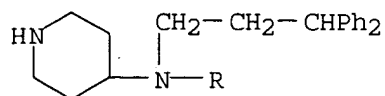


RN 344785-87-1 CAPLUS

CN Cyclohexanepropanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

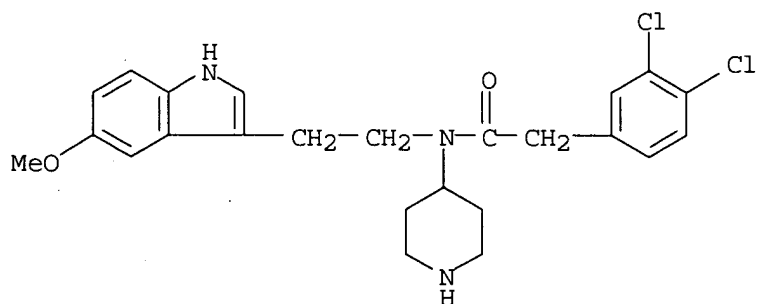


RN 344785-88-2 CAPLUS

CN Benzeneacetamide, 4-amino-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

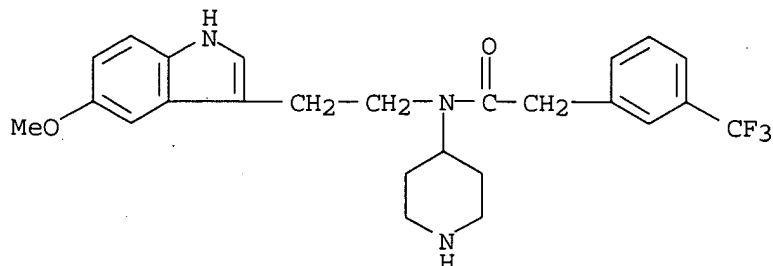
RN 344785-89-3 CAPLUS

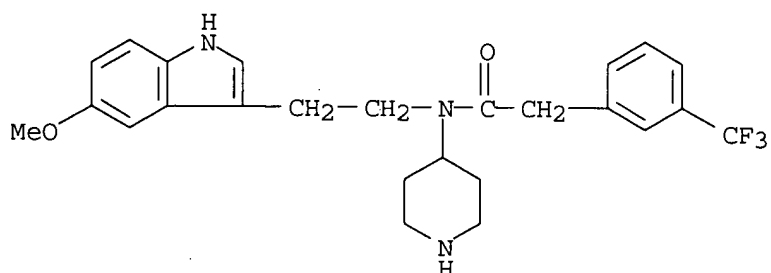
CN Benzeneacetamide, 3,4-dichloro-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-90-6 CAPLUS

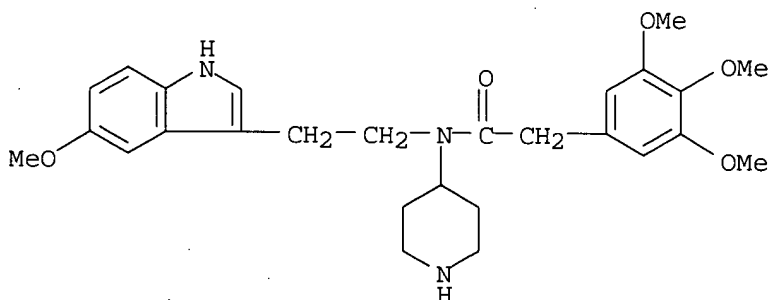
CN Benzeneacetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)





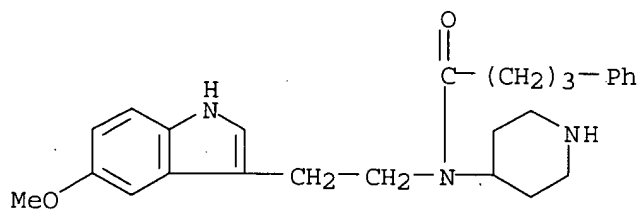
RN 344785-91-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



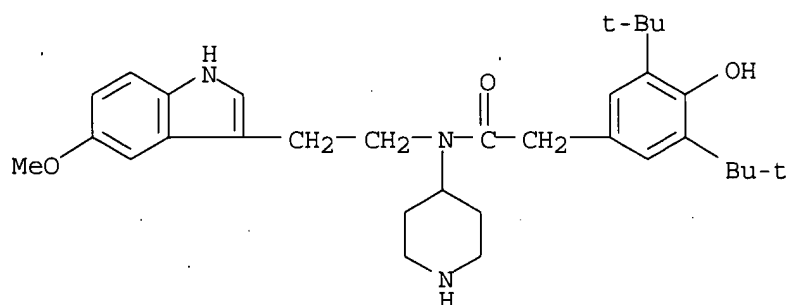
RN 344785-92-8 CAPLUS

CN Benzenebutanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-93-9 CAPLUS

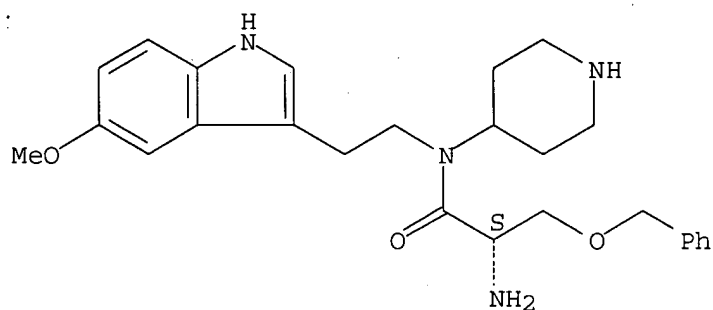
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-94-0 CAPLUS

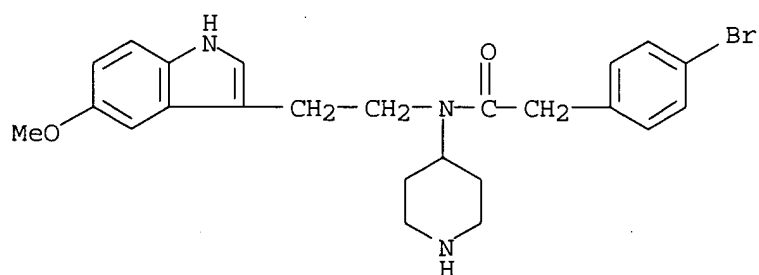
CN Propanamide, 2-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344785-95-1 CAPLUS

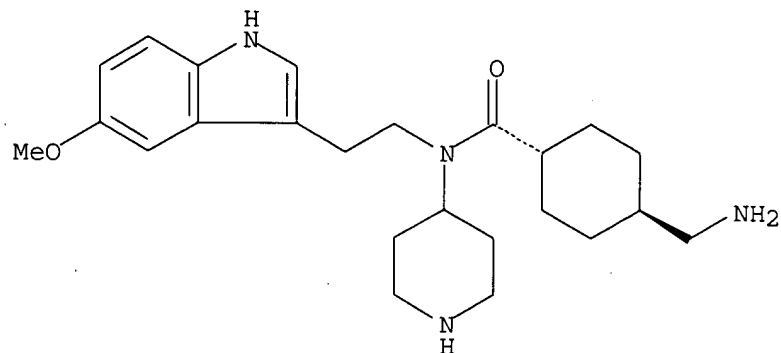
CN Benzeneacetamide, 4-bromo-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-96-2 CAPLUS

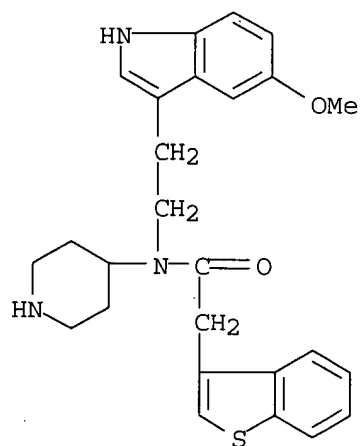
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



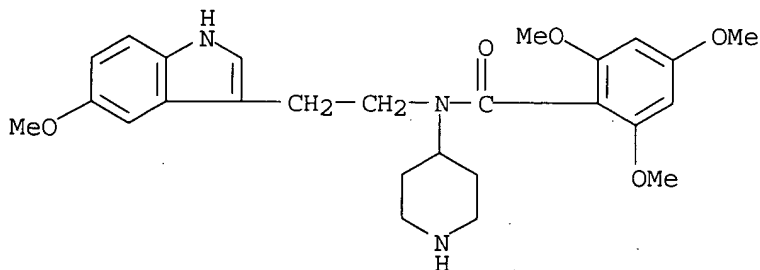
RN 344785-97-3 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



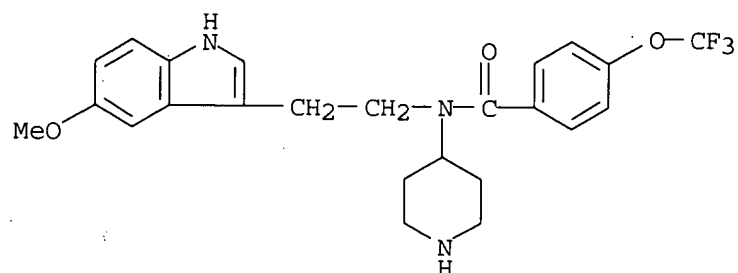
RN 344786-00-1 CAPLUS

CN Benzamide, 2,4,6-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



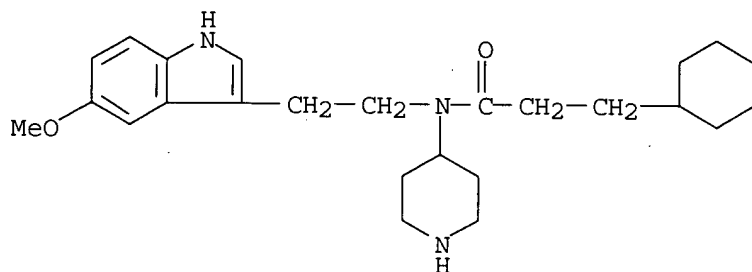
RN 344786-01-2 CAPLUS

CN Benzamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



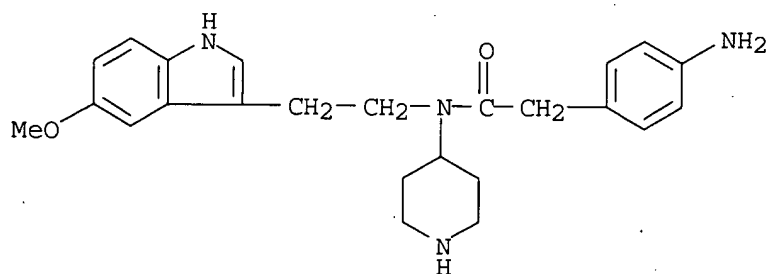
RN 344786-02-3 CAPLUS

CN Cyclohexanepropanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



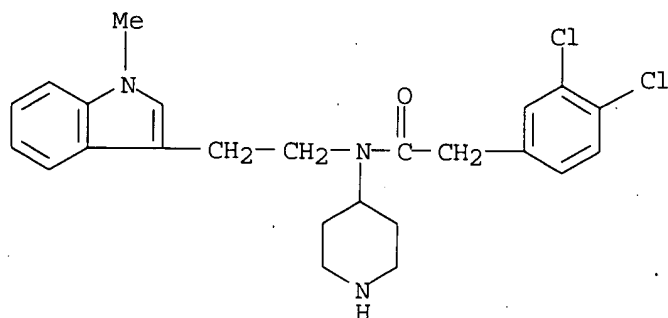
RN 344786-03-4 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



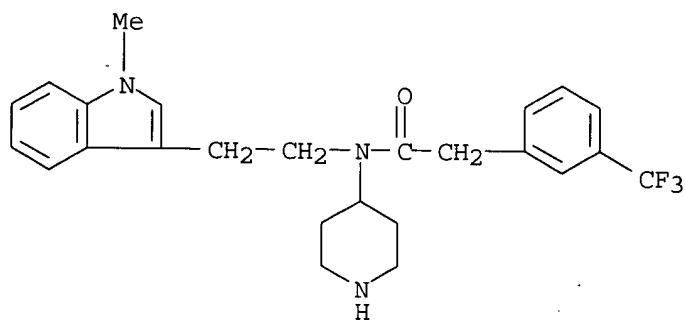
RN 344786-20-5 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



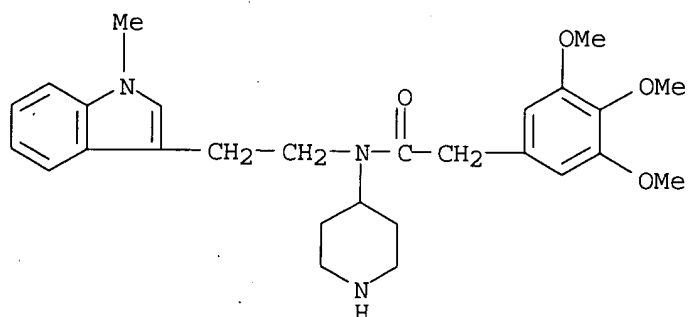
RN 344786-21-6 CAPLUS

CN Benzeneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



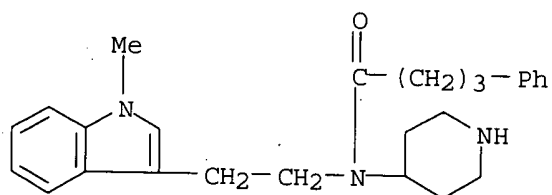
RN 344786-22-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



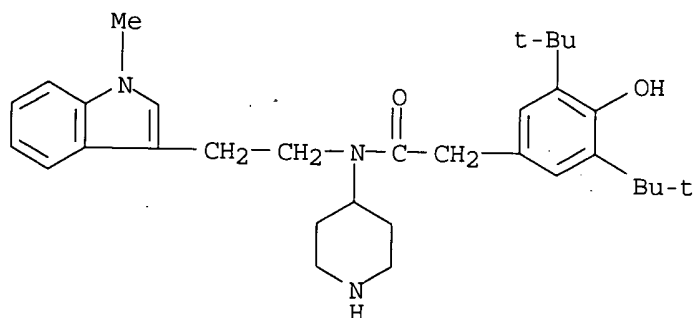
RN 344786-23-8 CAPLUS

CN Benzenebutanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-24-9 CAPLUS

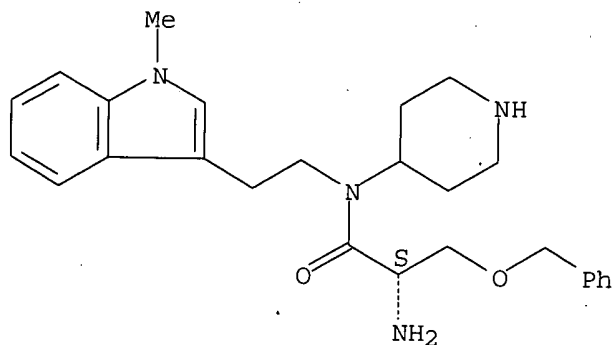
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-25-0 CAPLUS

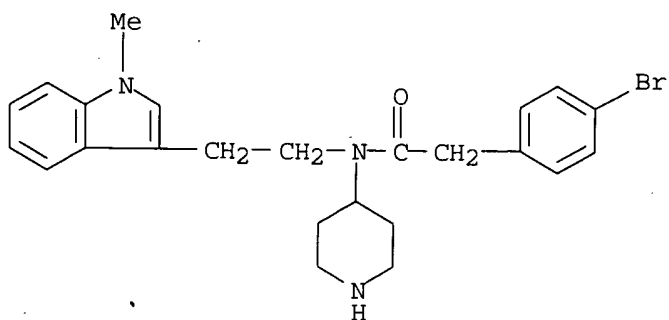
CN Propanamide, 2-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-30-7 CAPLUS

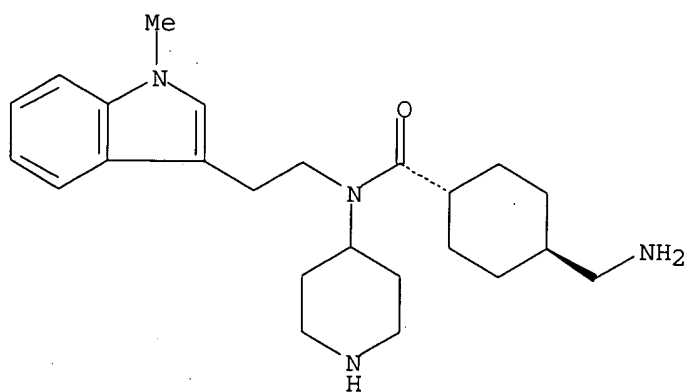
CN Benzeneacetamide, 4-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-33-0 CAPLUS

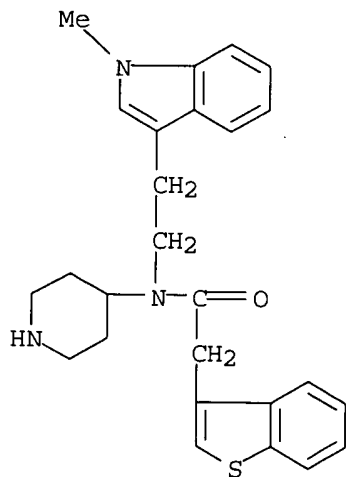
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



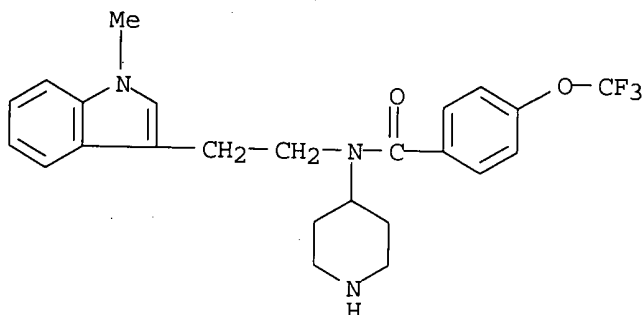
RN 344786-34-1 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



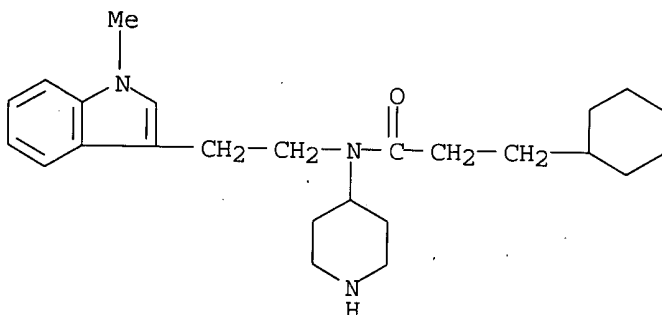
RN 344786-37-4 CAPLUS

CN Benzamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



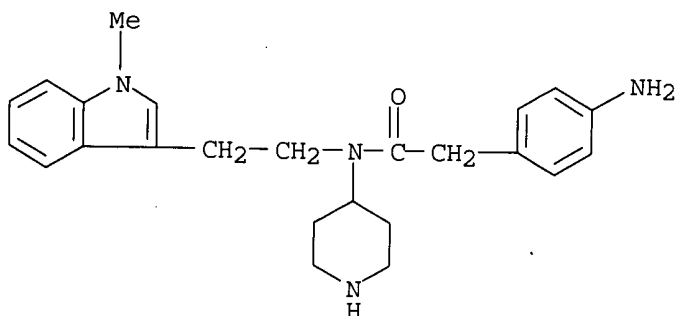
RN 344786-38-5 CAPLUS

CN Cyclohexanepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



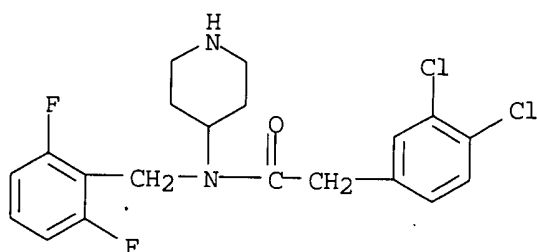
RN 344786-39-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



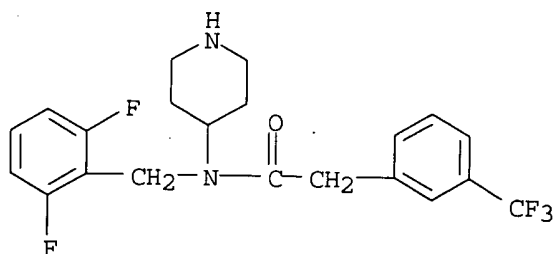
RN 344786-40-9 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



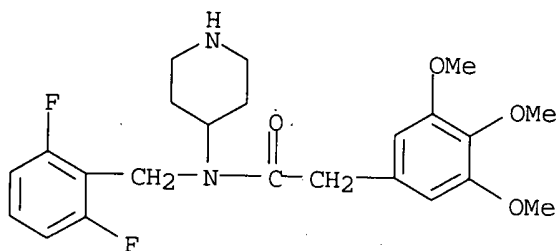
RN 344786-41-0 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



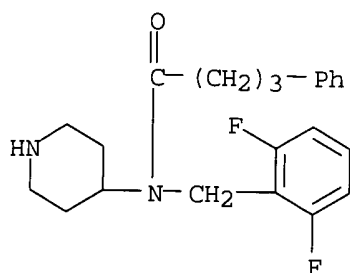
RN 344786-42-1 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-3,4,5-trimethoxy- (9CI) (CA INDEX NAME)



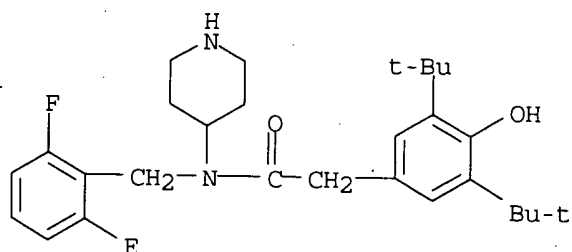
RN 344786-43-2 CAPLUS

CN Benzenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-44-3 CAPLUS

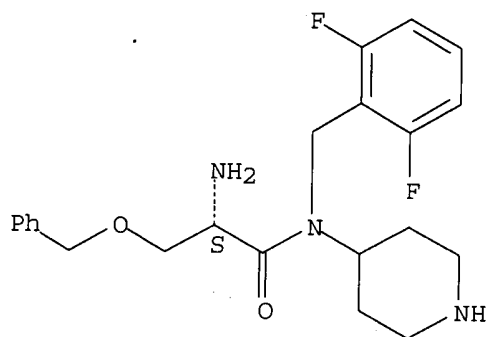
CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-45-4 CAPLUS

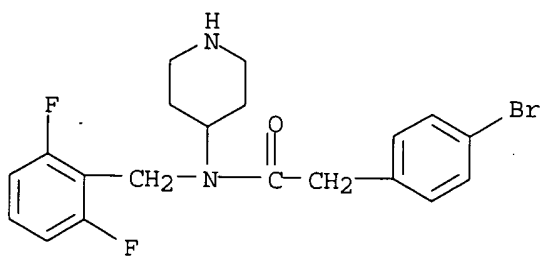
CN Propanamide, 2-amino-N-[(2,6-difluorophenyl)methyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-47-6 CAPLUS

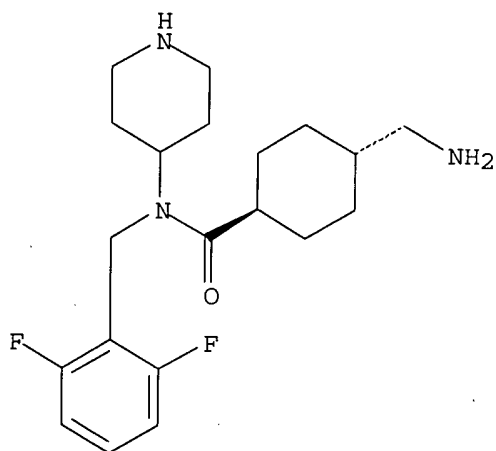
CN Benzeneacetamide, 4-bromo-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-48-7 CAPLUS

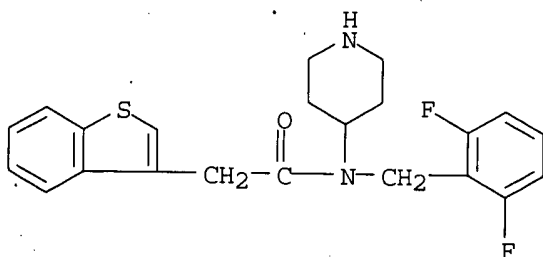
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



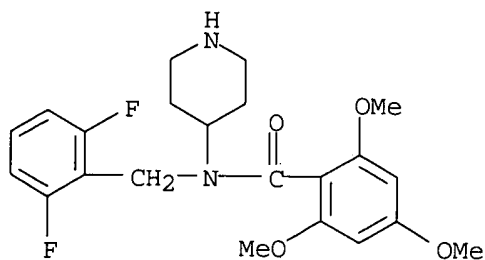
RN 344786-49-8 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



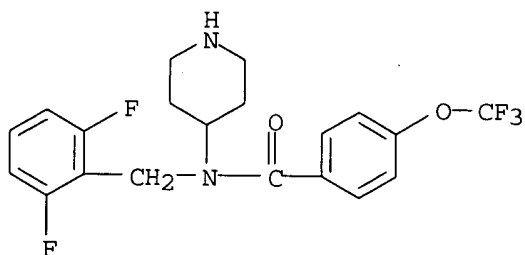
RN 344786-52-3 CAPLUS

CN Benzamide, N-[(2,6-difluorophenyl)methyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



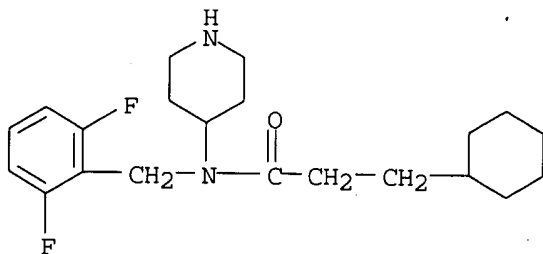
RN 344786-53-4 CAPLUS

CN Benzamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



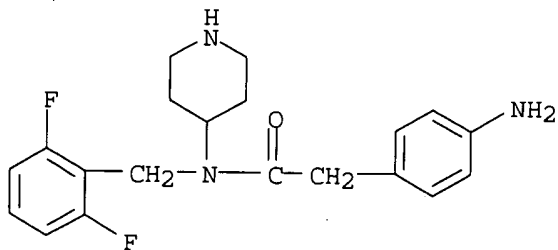
RN 344786-54-5 CAPLUS

CN Cyclohexanepropanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



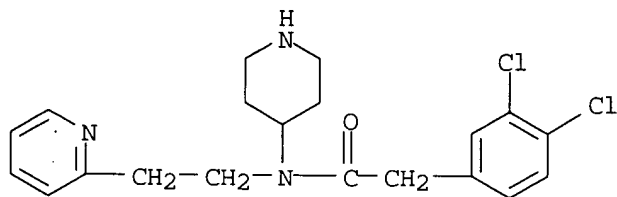
RN 344786-55-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



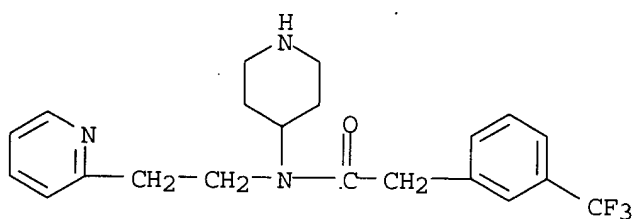
RN 344786-56-7 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-(9CI) (CA INDEX NAME)



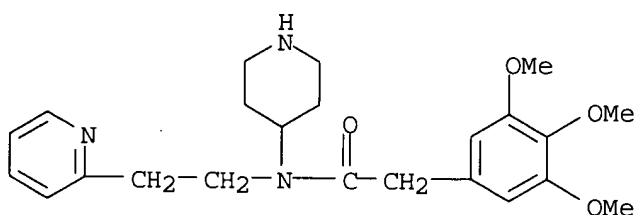
RN 344786-57-8 CAPLUS

CN Benzeneacetamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)



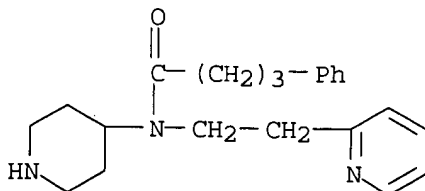
RN 344786-58-9 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-(9CI) (CA INDEX NAME)



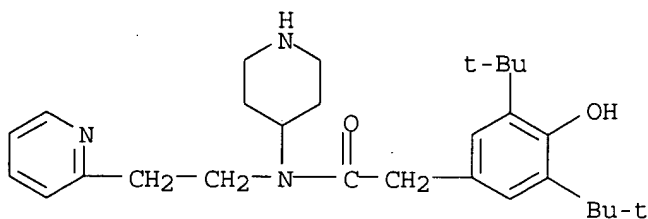
RN 344786-59-0 CAPLUS

CN Benzenebutanamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-(9CI) (CA INDEX NAME)



RN 344786-60-3 CAPLUS

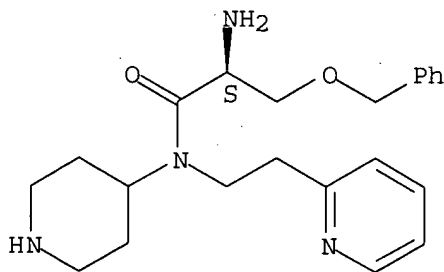
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-61-4 CAPLUS

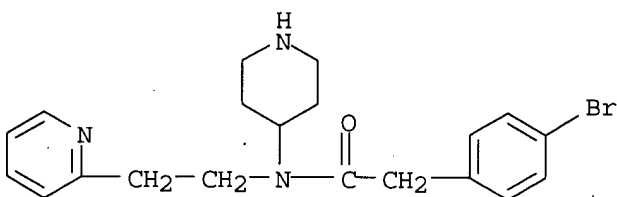
CN Propanamide, 2-amino-3-(phenylmethoxy)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-63-6 CAPLUS

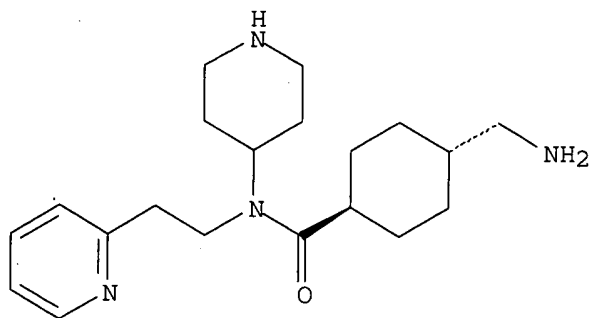
CN Benzeneacetamide, 4-bromo-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



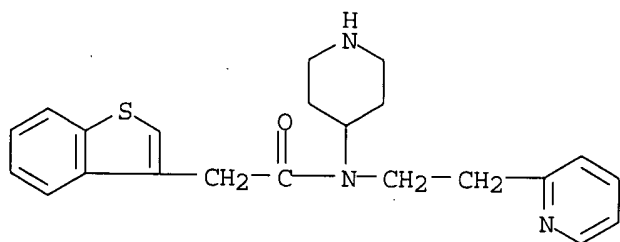
RN 344786-64-7 CAPLUS

CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-, trans- (9CI) (CA INDEX NAME)

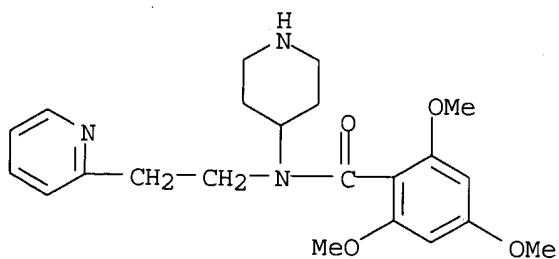
Relative stereochemistry.



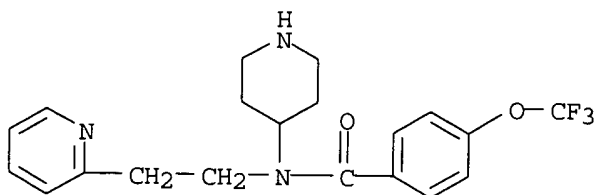
RN 344786-65-8 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-
(9CI) (CA INDEX NAME)

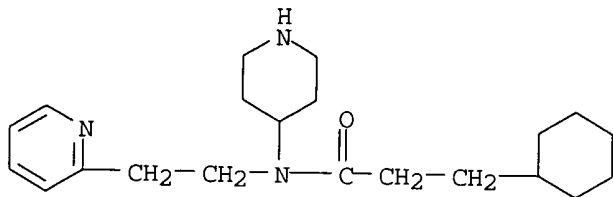
RN 344786-68-1 CAPLUS

CN Benzamide, 2,4,6-trimethoxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-
(9CI) (CA INDEX NAME)

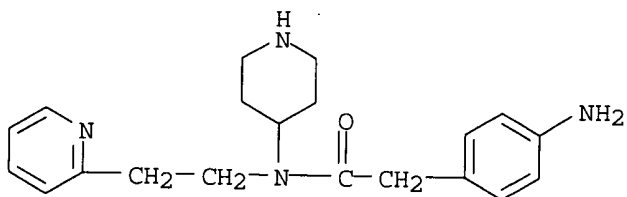
RN 344786-69-2 CAPLUS

CN Benzamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-4-(trifluoromethoxy)-
(9CI) (CA INDEX NAME)

RN 344786-70-5 CAPLUS

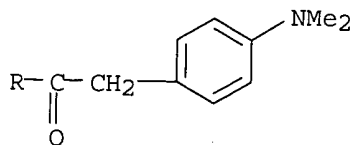
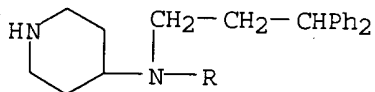
CN Cyclohexanepropanamide, N-4-piperidiny-N-[2-(2-pyridinyl)ethyl]- (9CI)
(CA INDEX NAME)

RN 344786-71-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-4-piperidiny-N-[2-(2-pyridinyl)ethyl]- (9CI)
(CA INDEX NAME)

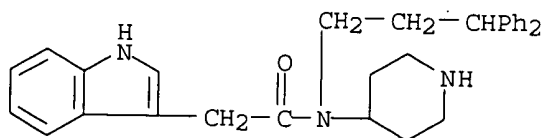
RN 344787-32-2 CAPLUS

CN Benzeneacetamide, 4-(dimethylamino)-N-(3,3-diphenylpropyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)

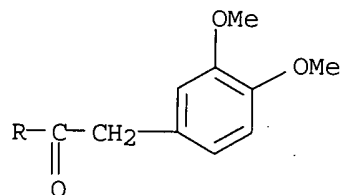
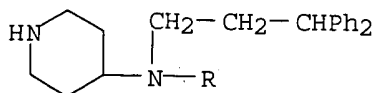


RN 344787-33-3 CAPLUS

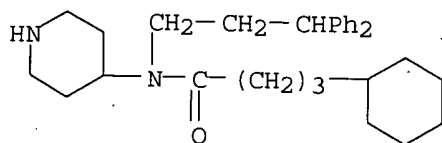
CN 1H-Indole-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)



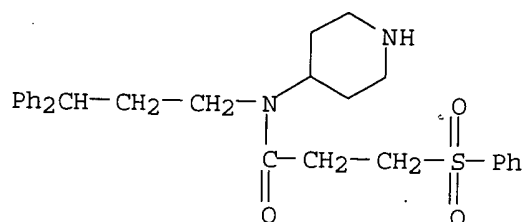
RN 344787-34-4 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-3,4-dimethoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

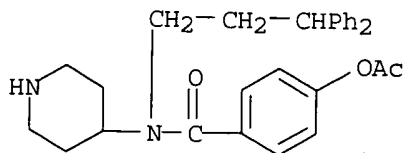
RN 344787-35-5 CAPLUS

CN Cyclohexanebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA
INDEX NAME)

RN 344787-36-6 CAPLUS

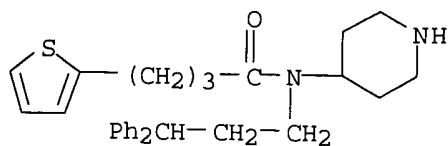
CN Propanamide, N-(3,3-diphenylpropyl)-3-(phenylsulfonyl)-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344787-37-7 CAPLUS

CN Benzamide, 4-(acetyloxy)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

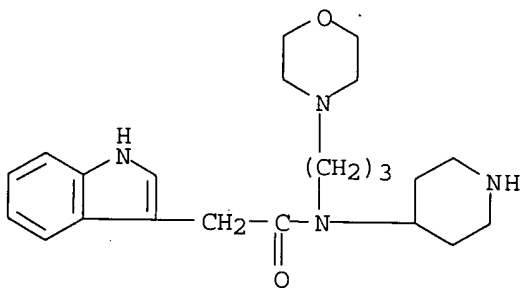
RN 344787-38-8 CAPLUS

CN 2-Thiophenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)



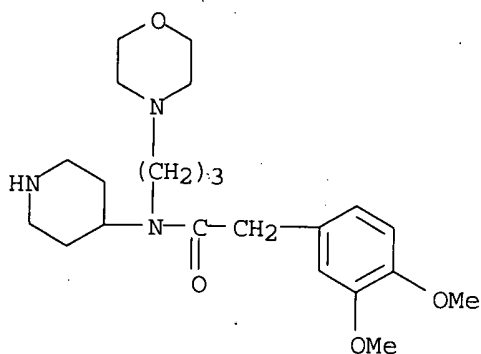
RN 344787-39-9 CAPLUS

CN 1H-Indole-3-acetamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidiny- (9CI) (CA INDEX NAME)



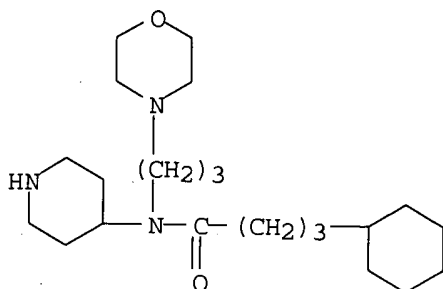
RN 344787-40-2 CAPLUS

CN Benzeneacetamide, 3,4-dimethoxy-N-[3-(4-morpholinyl)propyl]-N-4-piperidiny- (9CI) (CA INDEX NAME)



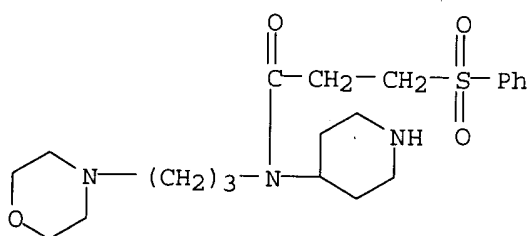
RN 344787-41-3 CAPLUS

CN Cyclohexanebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidiny- (9CI) (CA INDEX NAME)



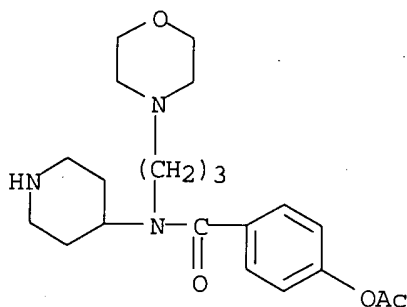
RN 344787-42-4 CAPLUS

CN Propanamide, N-[3-(4-morpholinyl)propyl]-3-(phenylsulfonyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



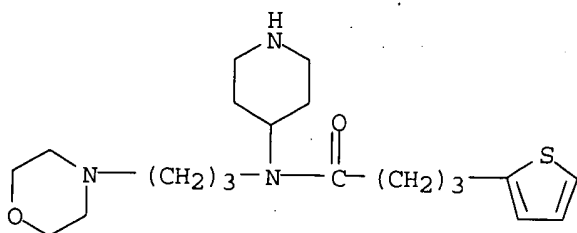
RN 344787-43-5 CAPLUS

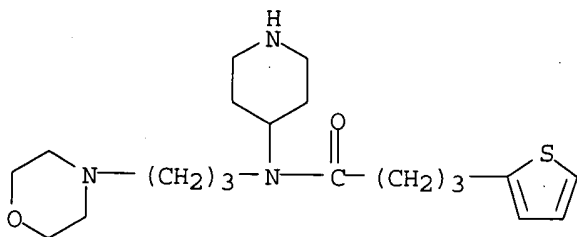
CN Benzamide, 4-(acetyloxy)-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-44-6 CAPLUS

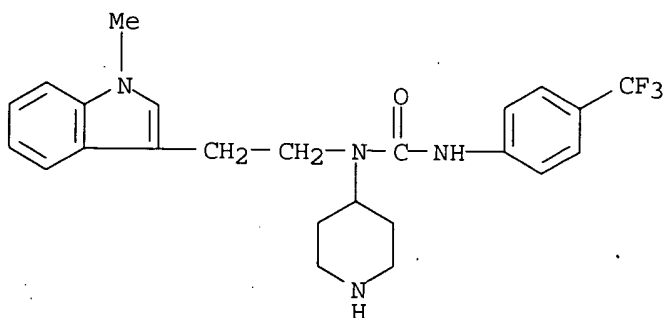
CN 2-Thiophenebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)





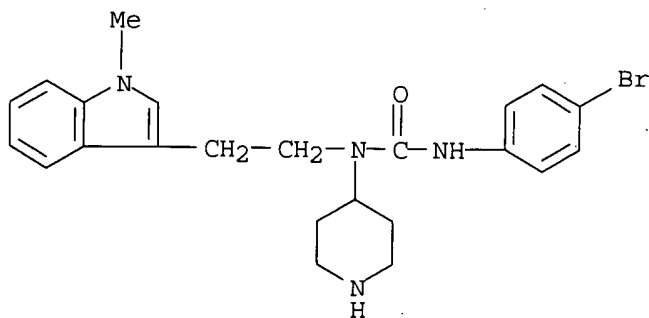
RN 344787-45-7 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



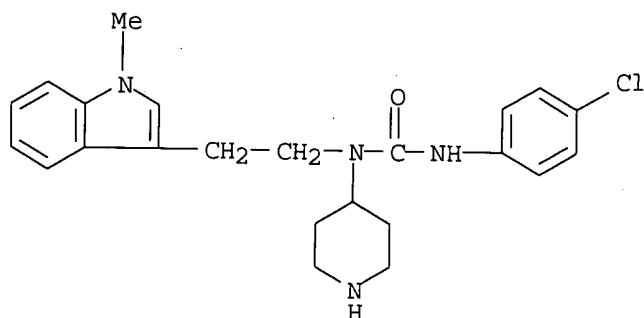
RN 344787-46-8 CAPLUS

CN Urea, N'-[4-bromophenyl]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



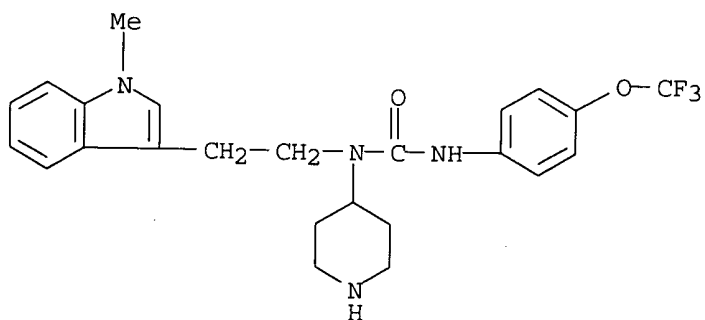
RN 344787-47-9 CAPLUS

CN Urea, N'-[4-chlorophenyl]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



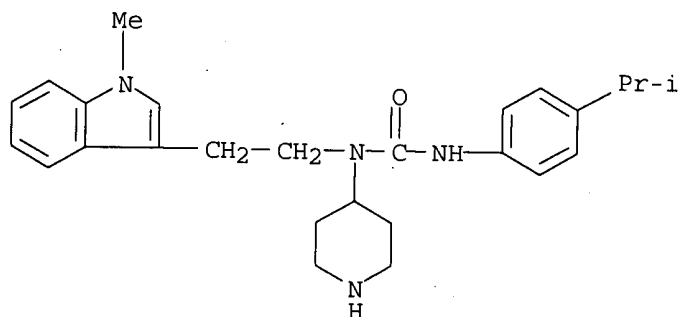
RN 344787-48-0 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



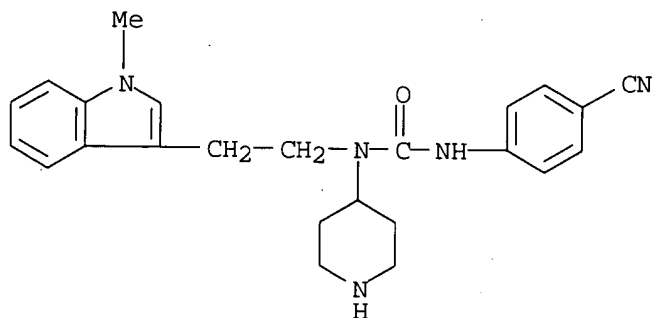
RN 344787-49-1 CAPLUS

CN Urea, N'-[4-(1-methylethyl)phenyl]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



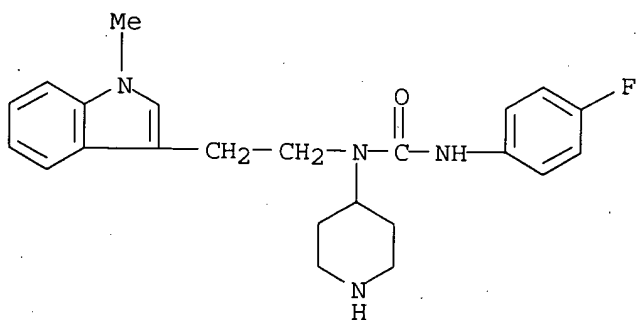
RN 344787-50-4 CAPLUS

CN Urea, N'-(4-cyanophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



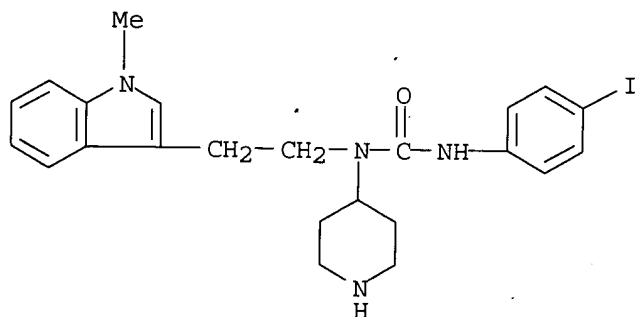
RN 344787-51-5 CAPLUS

CN Urea, N'-(4-fluorophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



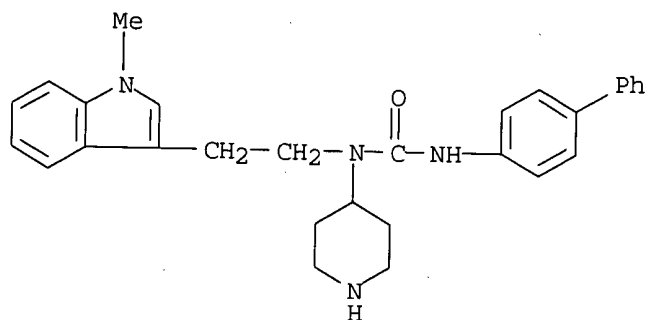
RN 344787-52-6 CAPLUS

CN Urea, N'-(4-iodophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



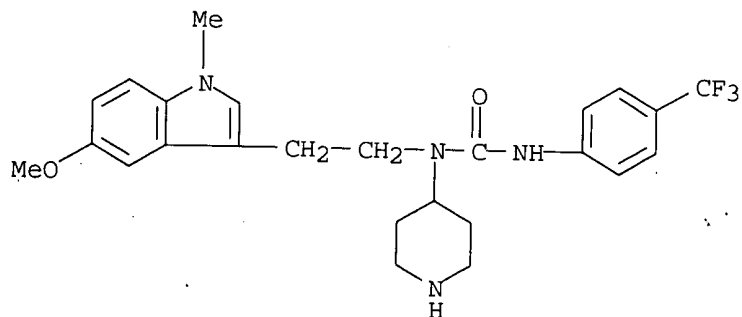
RN 344787-53-7 CAPLUS

CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



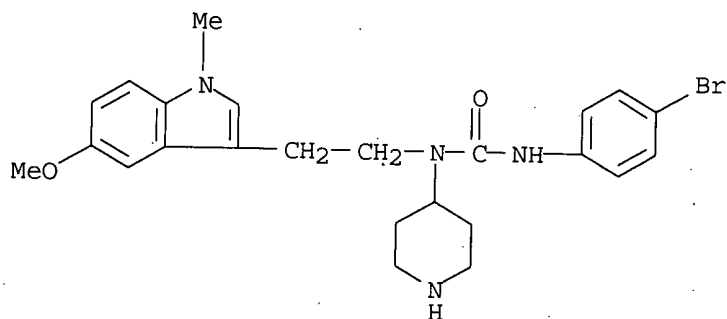
RN 344787-54-8 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



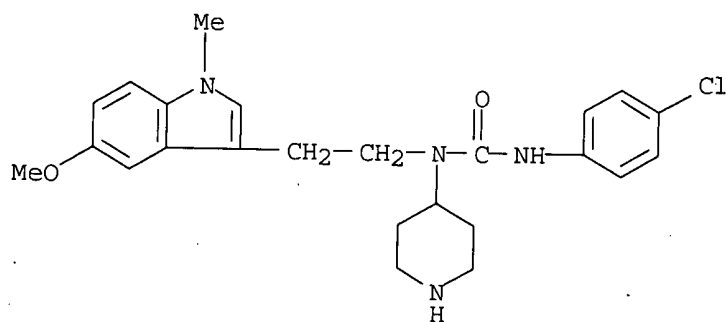
RN 344787-55-9 CAPLUS

CN Urea, N'-[4-bromophenyl]-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



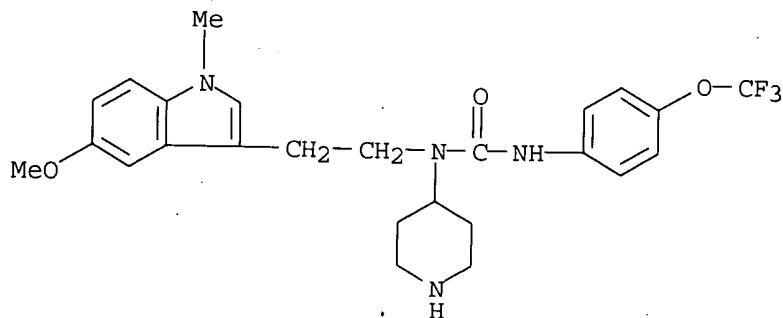
RN 344787-56-0 CAPLUS

CN Urea, N'-[4-chlorophenyl]-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



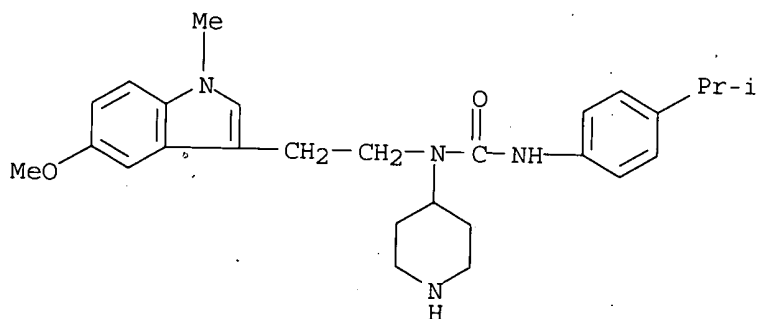
RN 344787-57-1 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



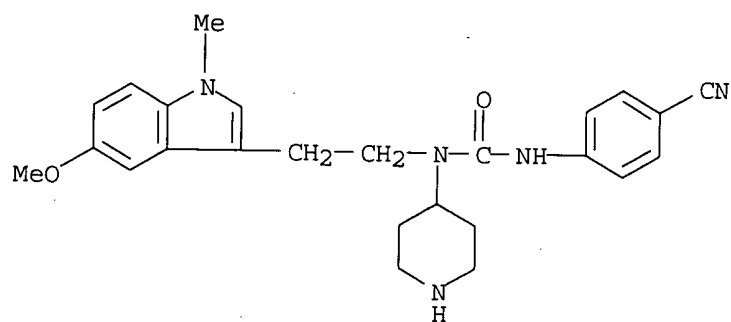
RN 344787-58-2 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyln- (9CI) (CA INDEX NAME)



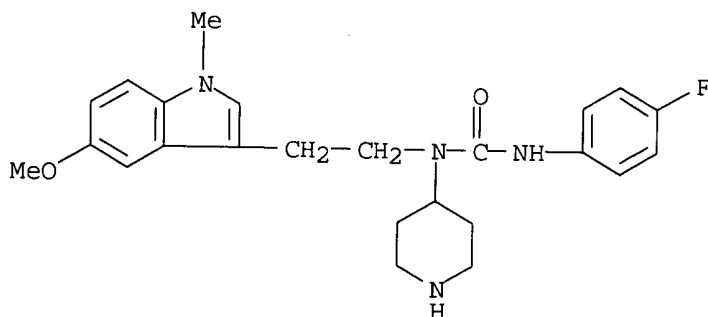
RN 344787-59-3 CAPLUS

CN Urea, N'-[4-(cyanophenyl)]-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyln- (9CI) (CA INDEX NAME)



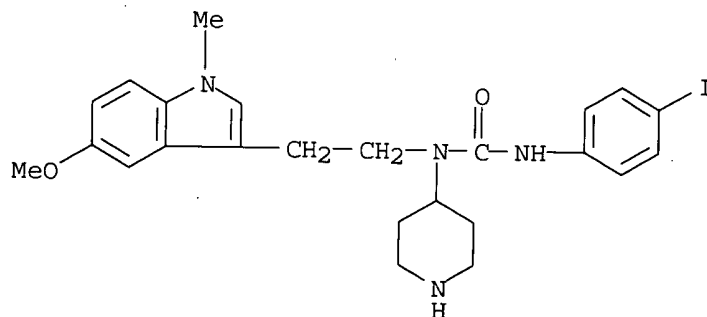
RN 344787-60-6 CAPLUS

CN Urea, N'-(4-fluorophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



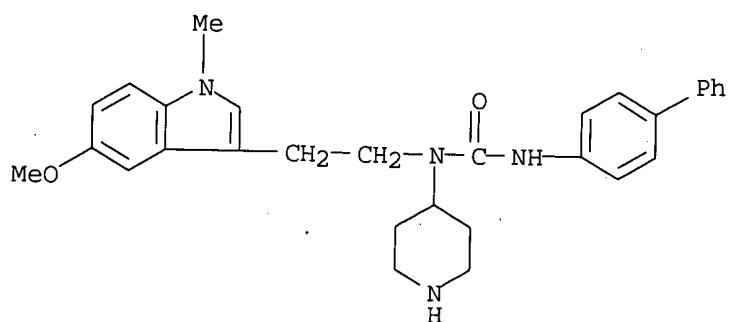
RN 344787-61-7 CAPLUS

CN Urea, N'-(4-iodophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

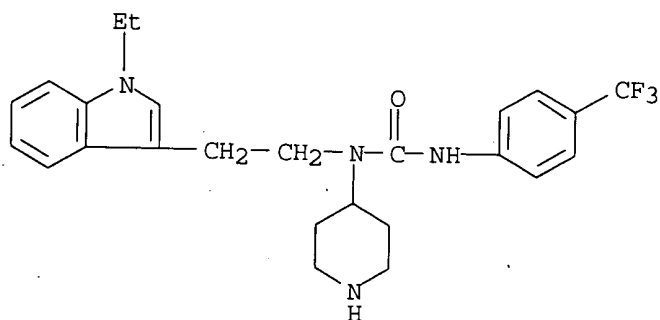


RN 344787-62-8 CAPLUS

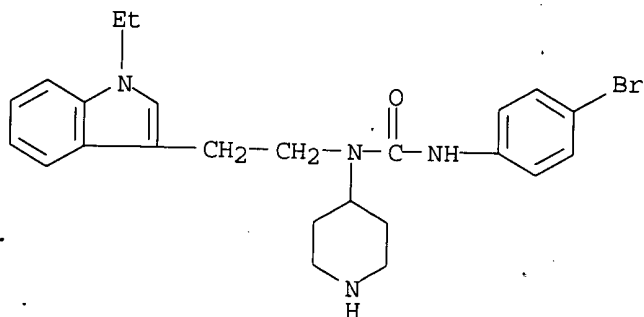
CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



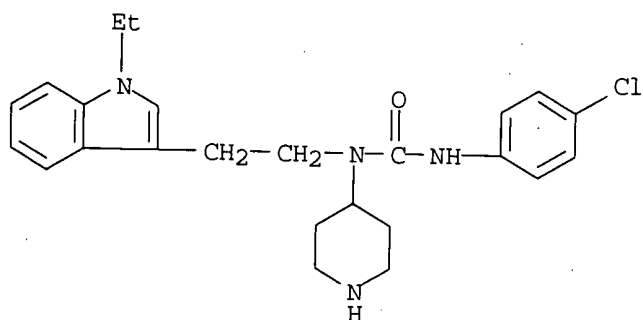
RN 344787-63-9 CAPLUS
CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



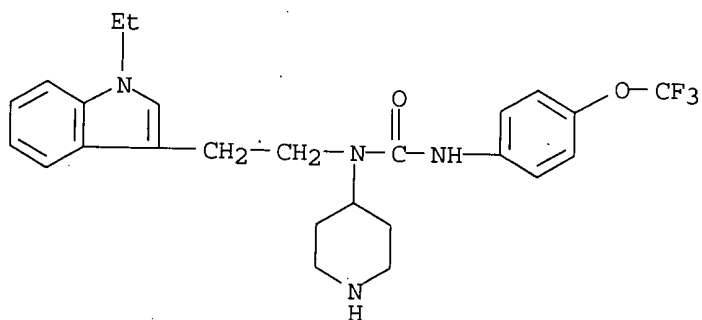
RN 344787-64-0 CAPLUS
CN Urea, N'-[4-(trifluoromethyl)phenyl]-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



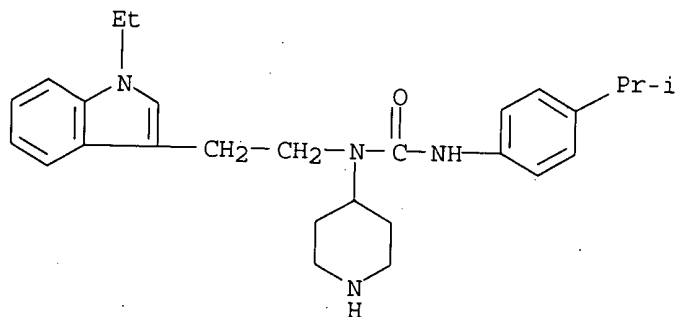
RN 344787-65-1 CAPLUS
CN Urea, N'-[4-(trifluoromethyl)phenyl]-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



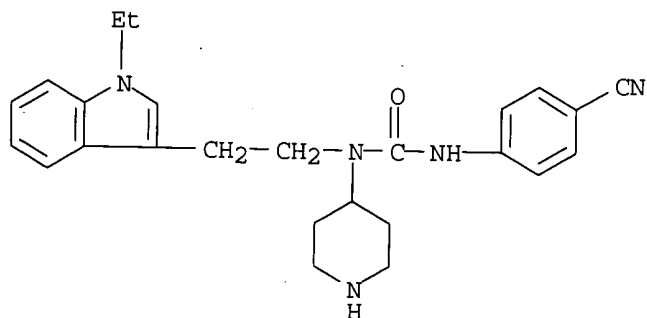
RN 344787-66-2 CAPLUS
CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 344787-67-3 CAPLUS
CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

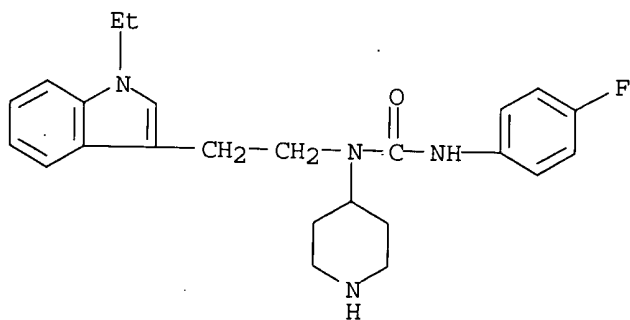


RN 344787-68-4 CAPLUS
CN Urea, N'-[4-cyanophenyl]-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



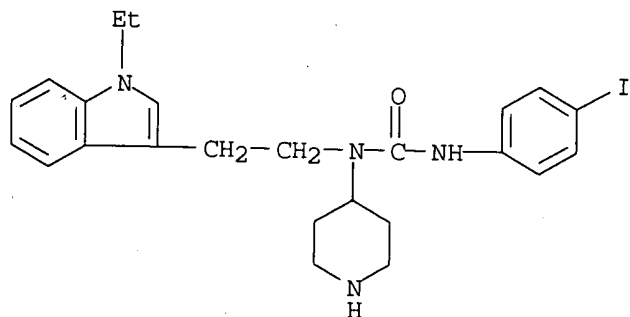
RN 344787-69-5 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



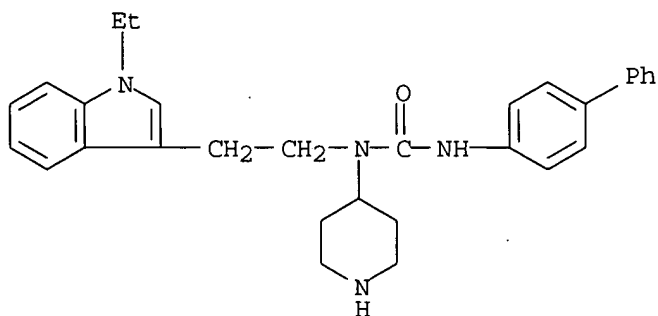
RN 344787-70-8 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-iodophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

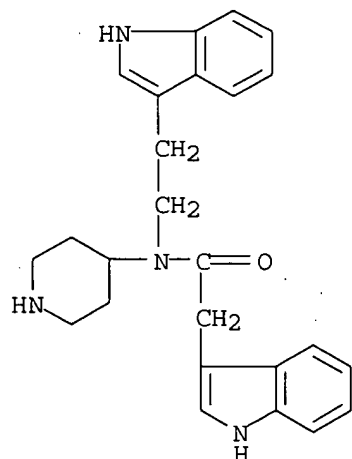


RN 344787-71-9 CAPLUS

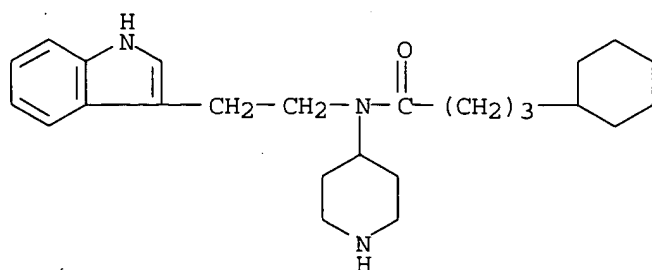
CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-93-5 CAPLUS

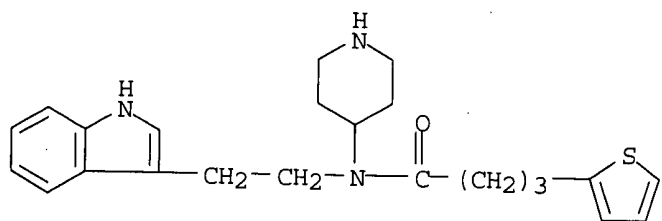
CN 1H-Indole-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 344787-95-7 CAPLUS

CN Cyclohexanebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

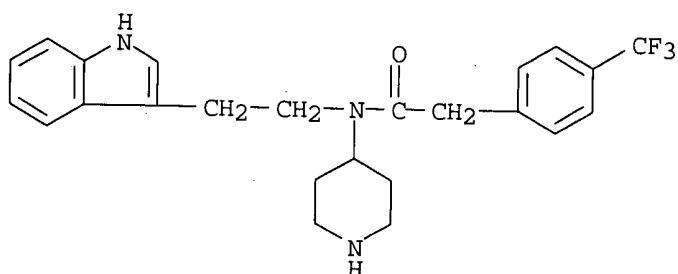
RN 344787-97-9 CAPLUS

CN 2-Thiophenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



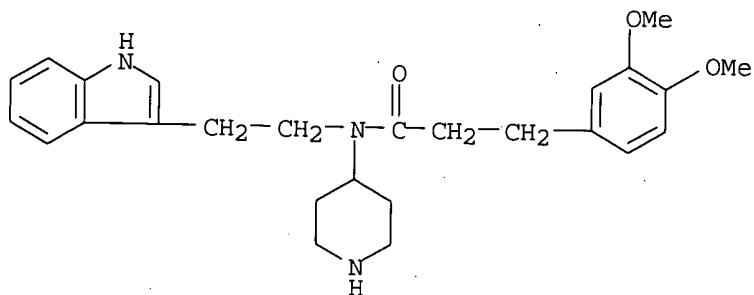
RN 344787-99-1 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



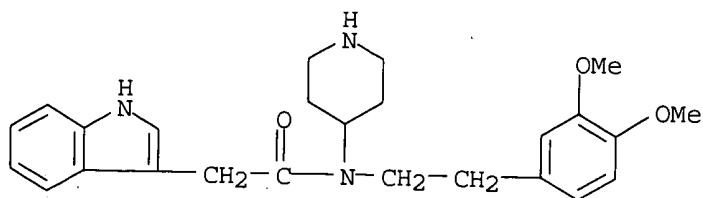
RN 344788-01-8 CAPLUS

CN Benzenepropanamide, N-[2-(1H-indol-3-yl)ethyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

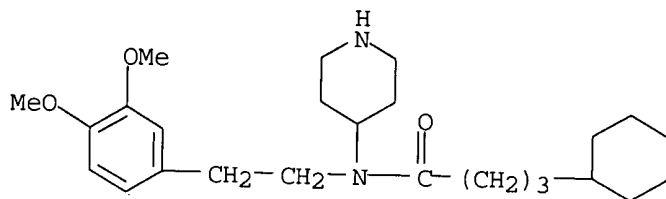


RN 344788-03-0 CAPLUS

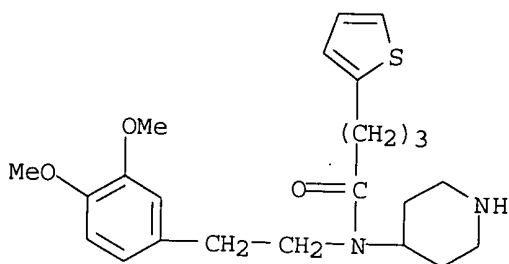
CN 1H-Indole-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



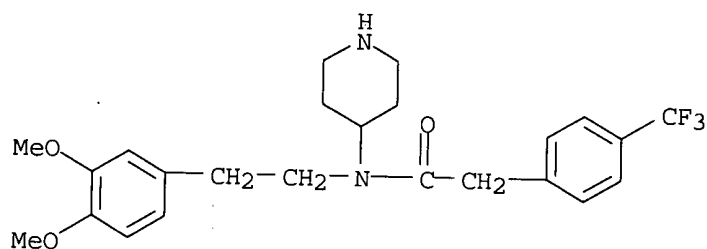
RN 344788-05-2 CAPLUS

CN Cyclohexanebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

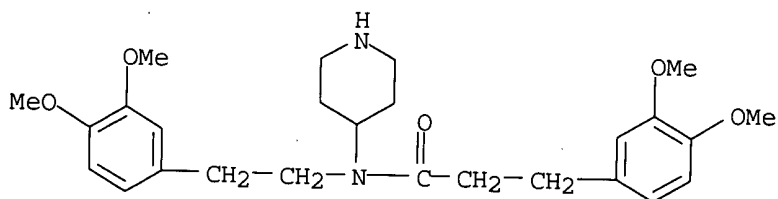
RN 344788-07-4 CAPLUS

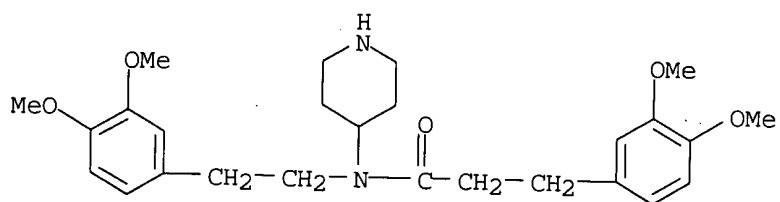
CN 2-Thiophenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344788-09-6 CAPLUS

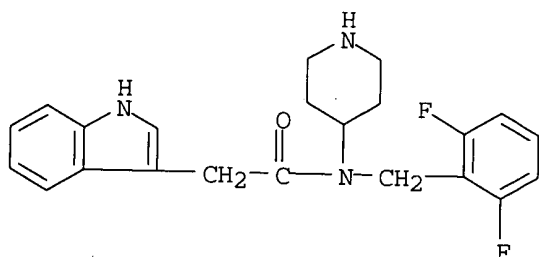
CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-(
trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 344788-11-0 CAPLUS

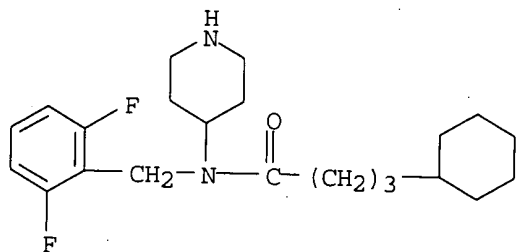
CN Benzenepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4-dimethoxy-N-4-
piperidinyl- (9CI) (CA INDEX NAME)



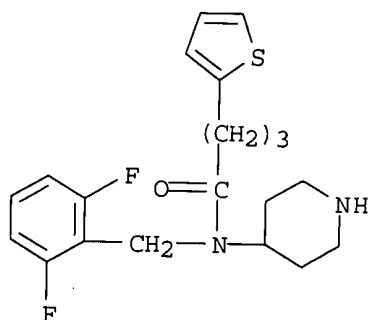
RN 344788-13-2 CAPLUS
 CN 1H-Indole-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
 (9CI) (CA INDEX NAME)



RN 344788-15-4 CAPLUS
 CN Cyclohexanebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
 (9CI) (CA INDEX NAME)

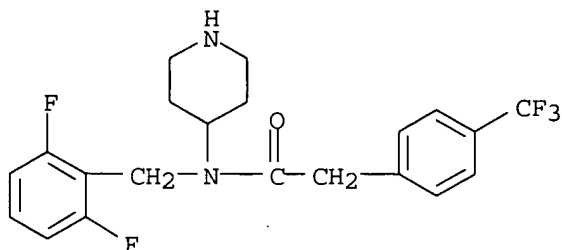


RN 344788-17-6 CAPLUS
 CN 2-Thiophenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
 (9CI) (CA INDEX NAME)



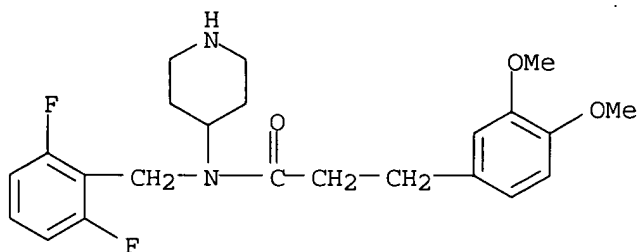
RN 344788-19-8 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



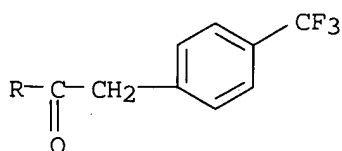
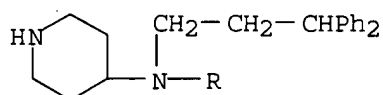
RN 344788-21-2 CAPLUS

CN Benzenepropanamide, N-[(2,6-difluorophenyl)methyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



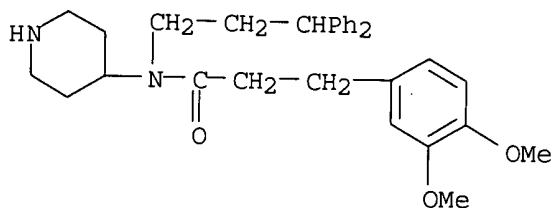
RN 344788-24-5 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



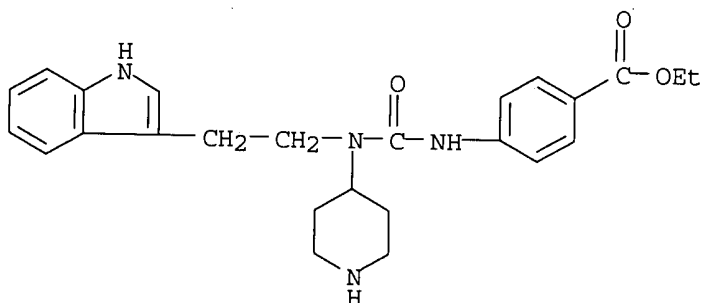
RN 344788-26-7 CAPLUS

CN Benzenepropanamide, N-(3,3-diphenylpropyl)-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



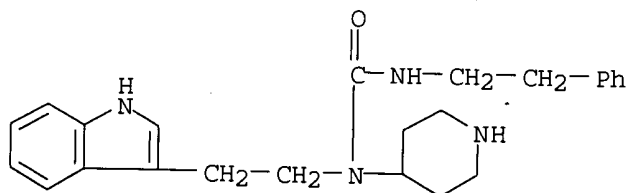
RN 344788-74-5 CAPLUS

CN Benzoic acid, 4-[[[2-(1H-indol-3-yl)ethyl]-4-piperidinylamino]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



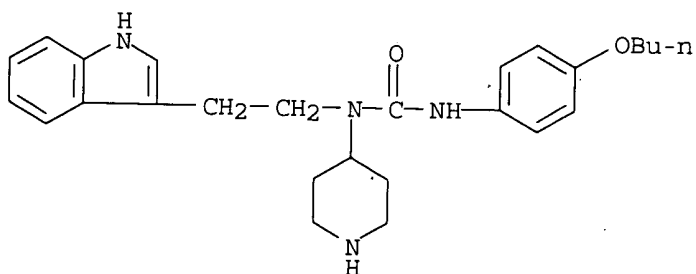
RN 344788-75-6 CAPLUS

CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



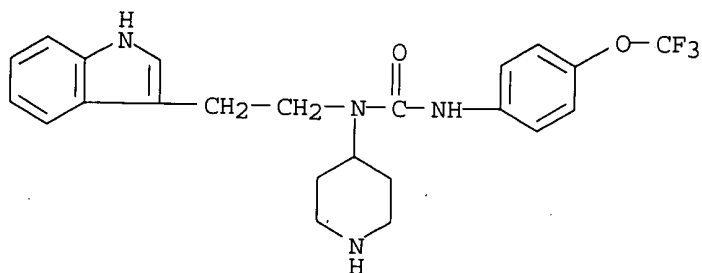
RN 344788-76-7 CAPLUS

CN Urea, N'-(4-butoxyphenyl)-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



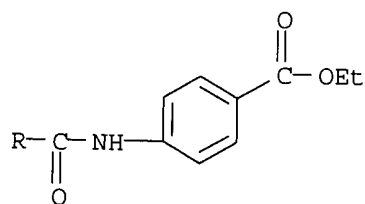
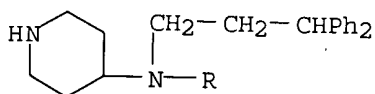
RN 344788-77-8 CAPLUS

CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



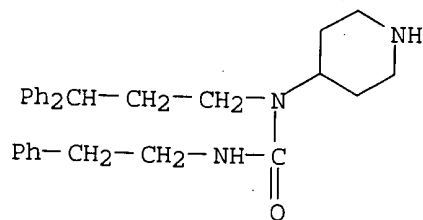
RN 344788-79-0 CAPLUS

CN Benzoic acid, 4-[[[(3,3-diphenylpropyl)-4-piperidinylamino]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



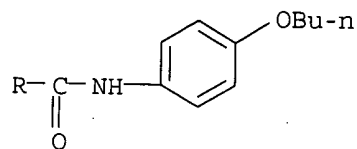
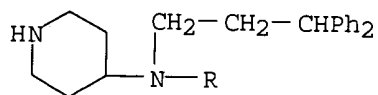
RN 344788-80-3 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



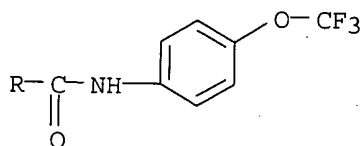
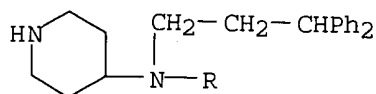
RN 344788-82-5 CAPLUS

CN Urea, N'-(4-butoxyphenyl)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



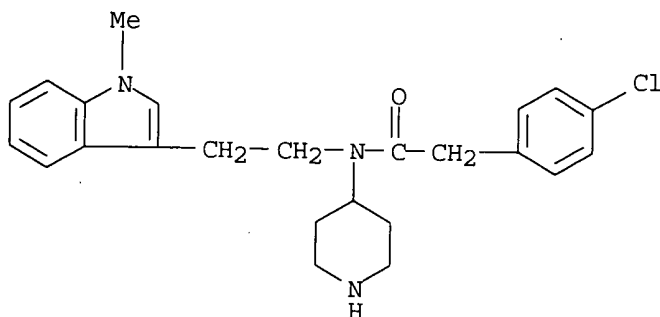
RN 344788-83-6 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



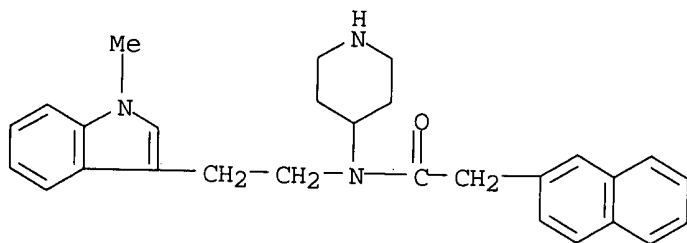
RN 344789-56-6 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



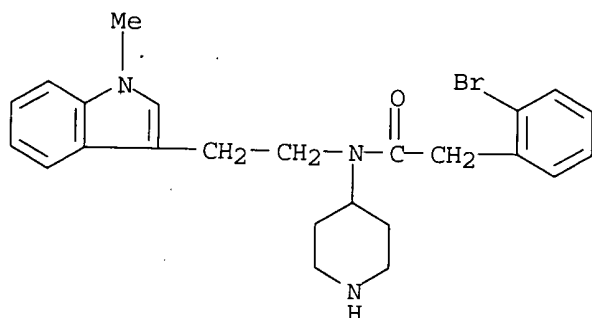
RN 344789-57-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



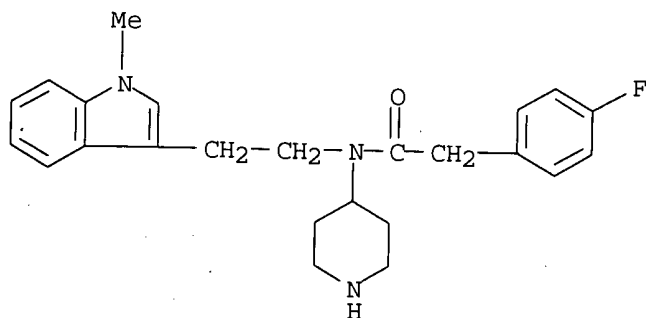
RN 344789-58-8 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



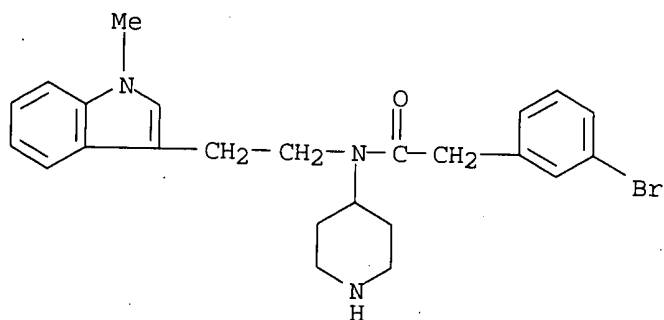
RN 344789-59-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

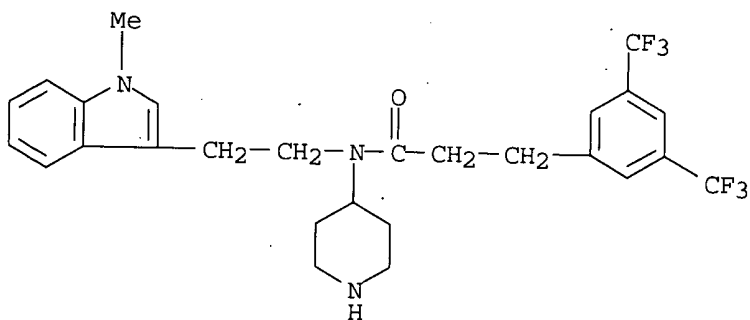


RN 344789-60-2 CAPLUS

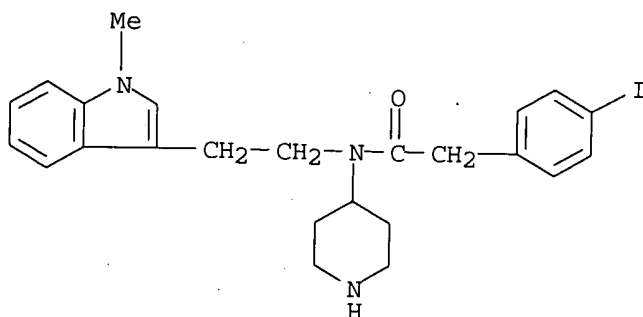
CN Benzeneacetamide, 3-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



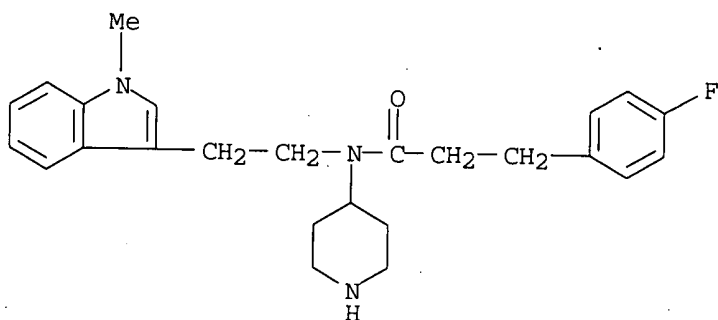
RN 344789-61-3 CAPLUS
CN Benzenepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



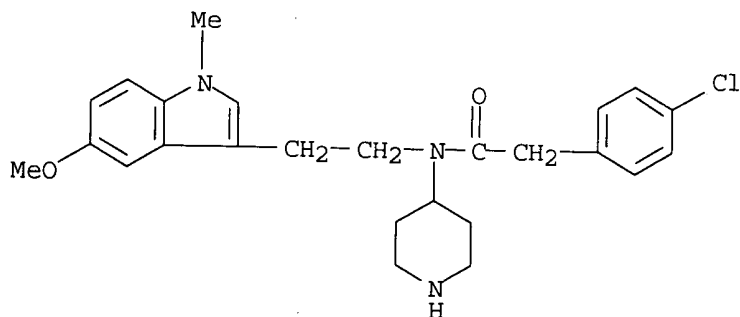
RN 344789-62-4 CAPLUS
CN Benzeneacetamide, 4-iodo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



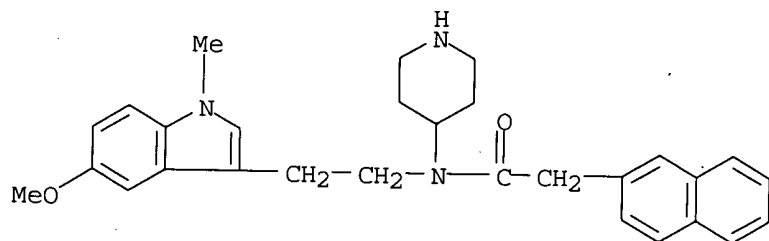
RN 344789-63-5 CAPLUS
CN Benzenepropanamide, 4-fluoro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



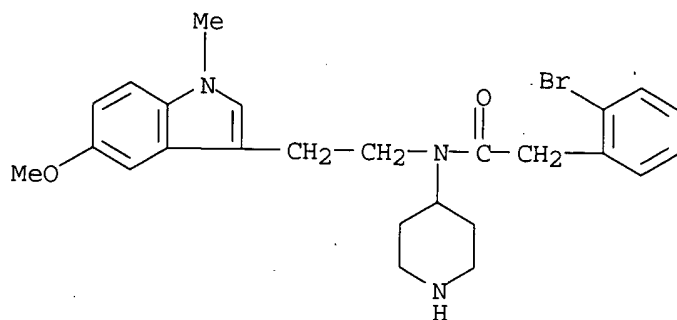
RN 344789-64-6 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344789-65-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

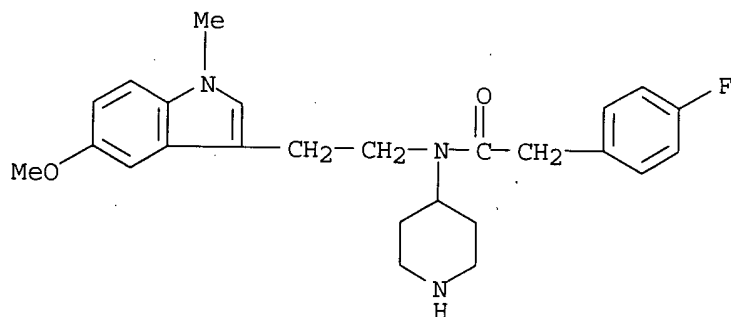


RN 344789-66-8 CAPLUS
 CN Benzeneacetamide, 2-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



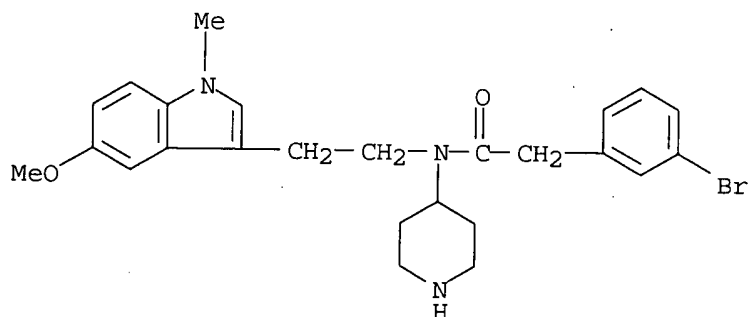
RN 344789-67-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



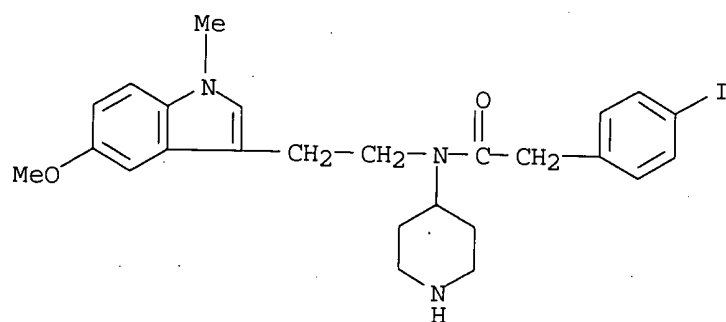
RN 344789-68-0 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



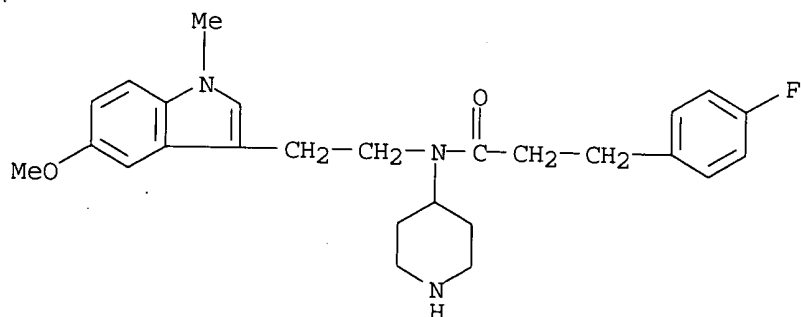
RN 344789-69-1 CAPLUS

CN Benzeneacetamide, 4-iodo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



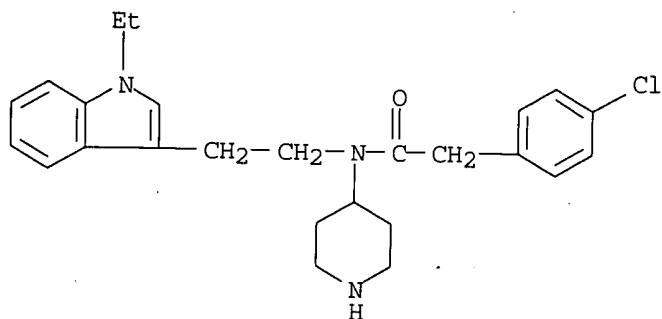
RN 344789-70-4 CAPLUS

CN Benzenepropanamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



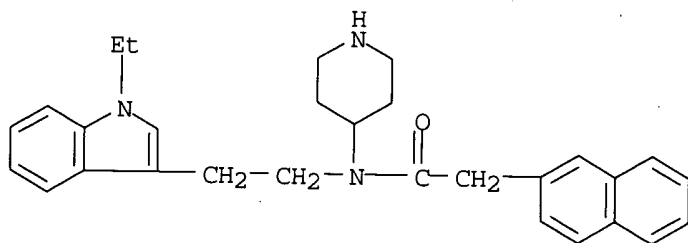
RN 344789-71-5 CAPLUS

CN Benzenacetamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



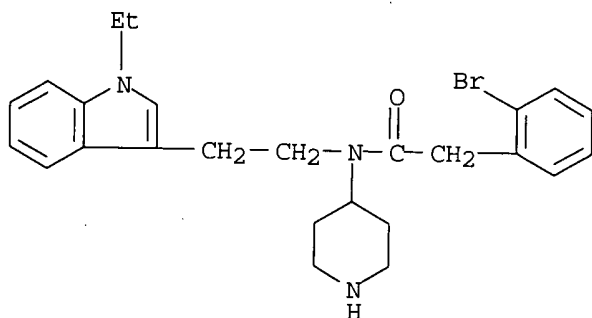
RN 344789-72-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



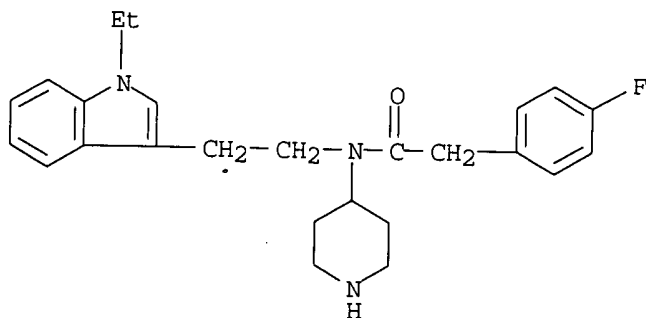
RN 344789-73-7 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



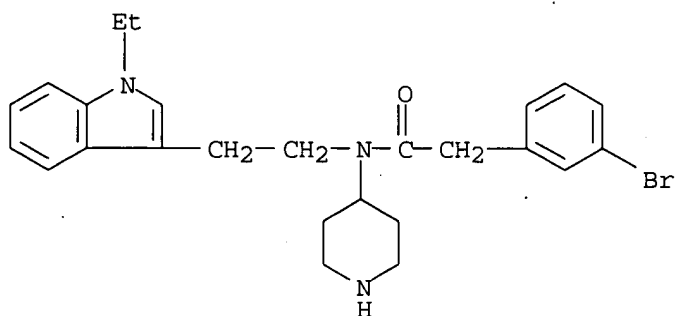
RN 344789-74-8 CAPLUS

CN Benzeneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



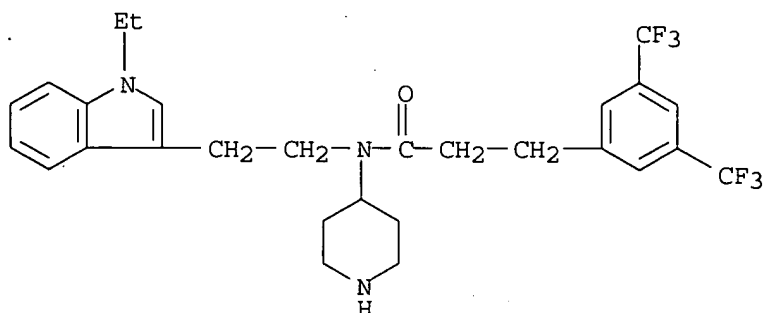
RN 344789-75-9 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



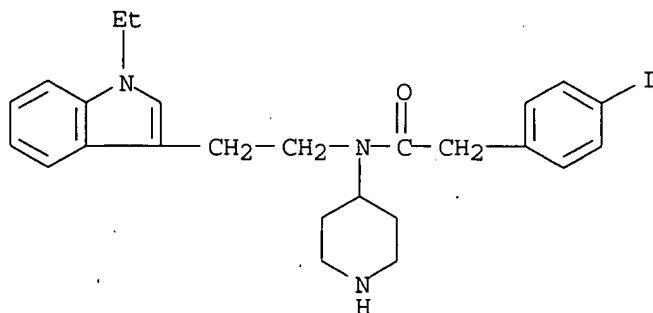
RN 344789-76-0 CAPLUS

CN Benzenepropanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



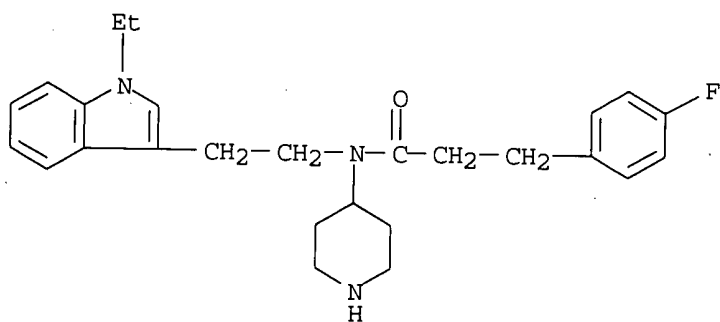
RN 344789-77-1 CAPLUS

CN Benzeneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-iodo-N-4-piperidinyl- (9CI) (CA INDEX NAME)



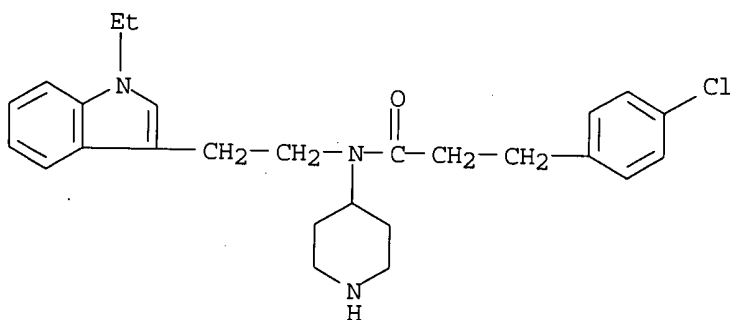
RN 344789-78-2 CAPLUS

CN Benzenepropanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



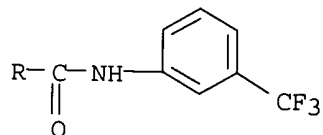
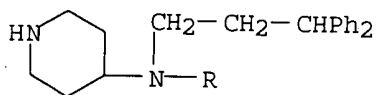
RN 344789-79-3 CAPLUS

CN Benzenepropanamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



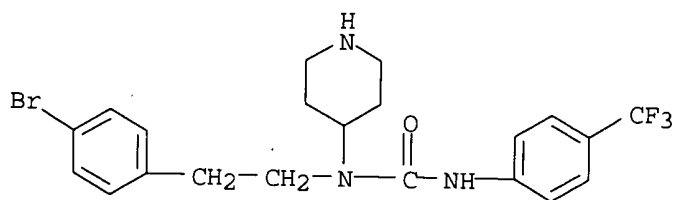
RN 344790-73-4 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

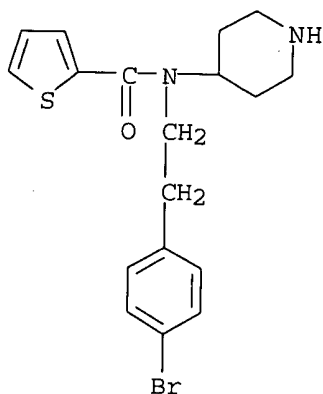


RN 344790-74-5 CAPLUS

CN Urea, N-[2-(4-bromophenyl)ethyl]-N-4-piperidinyl-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



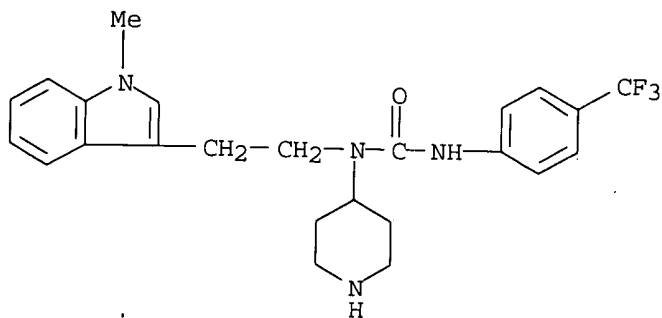
RN 344790-76-7 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-(4-bromophenyl)ethyl]-N-4-piperidiny- (9CI)
(CA INDEX NAME)

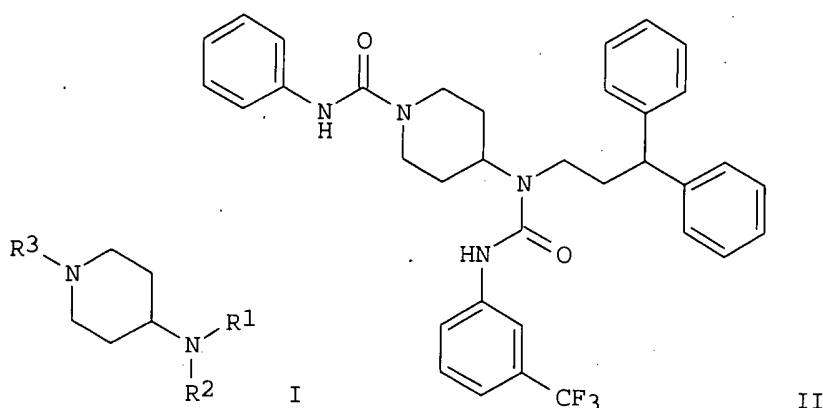
IT 344787-45-7DP, resin-bound

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(intermediate; prepn. of aminopiperidine derivs. as somatostatin
receptor ligands)

RN 344787-45-7 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidiny-N'-[4-
(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

GI



AB The invention concerns novel 4-aminopiperidine derivs. I [R¹ = alkyl, alkenyl, alkynyl, (CH₂)_mYZ₁, (CH₂)_mZ₂, 1-benzylpiperidin-4-yl, 2-naphthylcarbamoyl, 4-benzylpiperazin-1-yl, 2-acetamidoethyl; Z₁ = alkyl or (un)substituted aryl; Z₂ = cyano, cyclohexenyl, bis-Ph, **cycloalkyl**, (un)substituted heterocycloalkyl, aryl, heteroaryl, etc.; R₂ = C(Y)NHX₁, C(O)X₂, SO₂X₃; R₃ = H, (un)substituted alkyl, alkenyl, alkynyl, aralkyl, C(Y)NHX₁, (CH₂)_nC(O)X₂, SO₂X₃, etc.; X₁ = alkyl, alkenyl, alkynyl, aryl, aralkyl, etc.; X₂ = wide variety of groups; X₃ = alkyl, alkenyl, phenylalkenyl, CF₃, (un)substituted (hetero)aryl or -aralkyl; Y = O, S; n = 0-4; m = 1-6]. Also disclosed are methods for their prepn. by parallel synthesis processes in liq. and solid phase. I have good affinity for certain sub-types of somatostatin receptors, and are particularly useful for treating pathol. conditions or diseases wherein one more somatostatin receptor sub-types are involved. Claims specifically mention acromegaly, pituitary adenoma, or endocrine gastroenteropancreatic tumors in carcinoid syndrome. A table of 778 compds. I is given, and several syntheses are described in detail. For instance, N-BOC-4-piperidone underwent reductive amination with 3,3-diphenylpropylamine and NaBH(OAc)₃, followed by reaction with 3-trifluoromethylphenyl isocyanate, removal of the BOC group with CF₃CO₂H, and reaction with Ph isocyanate, to give title compd. II. Some compds. I had sub-micromolar K_i for at least one of five tested somatostatin receptor subtypes (no data).

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS
AN 1995:648089 CAPLUS
DN 123:55707
TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers
IN Minafuji, Mitsumasa; Seko, Tosha; Sasaki, Satoru
PA Mitsubishi Kagaku Kk, Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07033738	A2	19950203	JP 1993-181691	19930722

JP 1993-181691 19930722

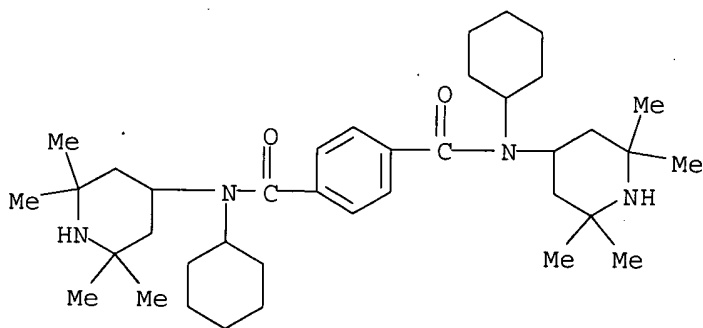
OS MARPAT 123:55707

IT **164343-22-0P 164343-24-2P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(intermediate for prepn. of hindered bis(piperidinylaminocarbonyl)benzene
derivs. as photostabilizers)

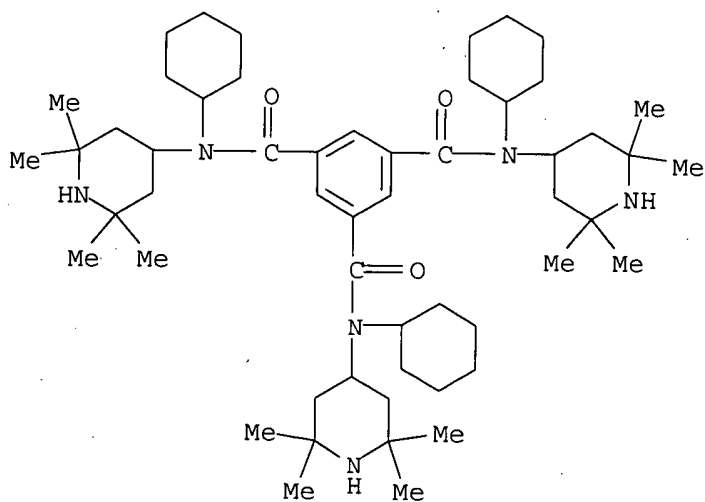
RN 164343-22-0 CAPLUS

CN 1,4-Benzenedicarboxamide, N,N'-dicyclohexyl-N,N'-bis(2,2,6,6-tetramethyl-4-
piperidiny)- (9CI) (CA INDEX NAME)

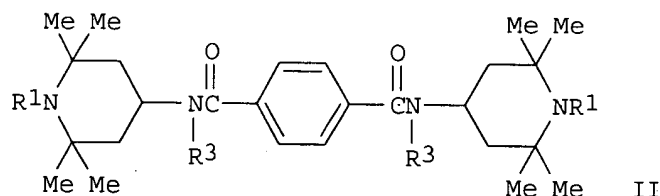
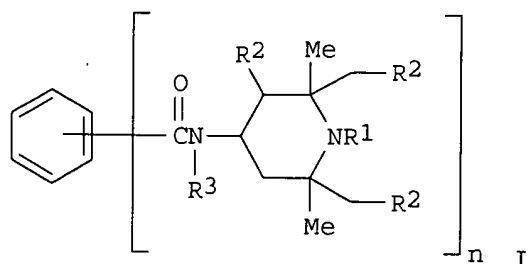


RN 164343-24-2 CAPLUS

CN 1,3,5-Benzenetricarboxamide, N,N',N''-tricyclohexyl-N,N',N''-tris(2,2,6,6-
tetramethyl-4-piperidiny)- (9CI) (CA INDEX NAME)



GI



AB The title compds. (I; R1 = C1-4 alkyl; R2 = H, Me; R3 = C1-20 alkyl, **cycloalkyl**, aryl, arylalkyl; n = 1-4), which are solid photostabilizers for easy handling, and show excellent radical-scavenging capability and compatibility with resins, are prepd. Thus, 8.5 g terephthaloyl chloride was added to a stirred mixt. of 19.1 g 4-cyclohexylamino-2,2,6,6-tetramethylpiperidine, 16.2 g Et3N, and 300 mL 1,4-dioxane followed by stirring the mixt. at room temp. for 8 h to give a precursor (II; R1 = H, R3 = cyclohexyl), which was methylated by 37% formaldehyde and formic acid in dioxane to give a title compd. II (R1 = Me, R3 = cyclohexyl) (70% overall yield) (III). An isotactic polypropylene sheet contg. 0.2 wt. part/100 wt. part polypropylene showed photodegrdn. after irradiating it with a 65/XW-WR xenon weather meter at 80.degree. for 680 h vs. 460 h for a polypropylene sheet contg. II (R1 = R3 = H).

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS

AN 1987:120862 CAPLUS

DN 106:120862

TI Hindered piperidinyl derivatives of tetrahydrofurancarboxylic acid as stabilizers

IN Helwig, Reinhard; Neumann, Peter; Trauth, Hubert; Aumuellner, Alexander

PA BASF A.-G. , Fed. Rep. Ger.

SO Ger. Offen., 12 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3522678	A1	19870108	DE 1985-3522678	19850625
US 4703072	A	19871027	US 1986-874864	19860616
			DE 1985-3522678	19850625
EP 207396	A1	19870107	EP 1986-108428	19860620
EP 207396	B1	19890419		
R: CH, DE, FR, GB, IT, LI				
			DE 1985-3522678	19850625
JP 62011770	A2	19870120	JP 1986-145020	19860623
			DE 1985-3522678	19850625

OS CASREACT 106:120862

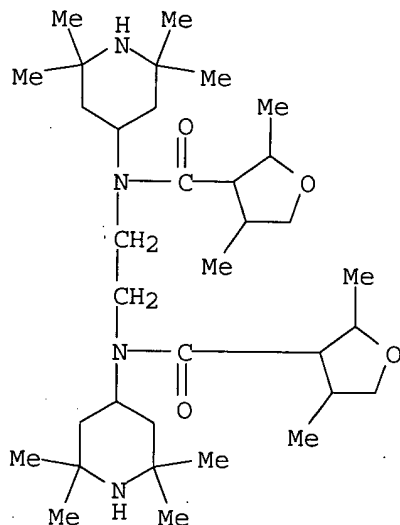
IT **107187-20-2P**

RL: PREP (Preparation)

(prepn. of, as stabilizer for polymers)

RN 107187-20-2 CAPLUS

CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[tetrahydro-2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidiny)- (9CI) (CA INDEX NAME)

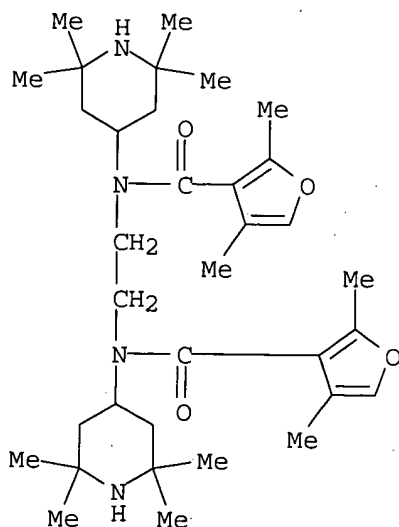
IT **107187-27-9P**

RL: PREP (Preparation)

(prepn. of, as stabilizers for polymers)

RN 107187-27-9 CAPLUS

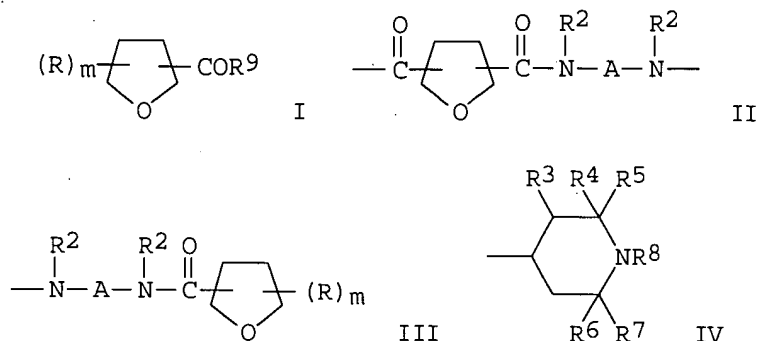
CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidiny)- (9CI) (CA INDEX NAME)



GI

Patel

<6/13/2003>



AB Title derivs. I and II polymers (R = C1-4 alkyl, cyclohexyl, Ph; m = 0-3; n = 1 or 2; R9 = DR2, NR1R2, or III, and, as a polymer end-group, Cl or OH at the CO group and H at the NR2 group; A = bridging group; R1 = H, C2-6 alkenyl, C1-12 alkyl or C5-7 **cycloalkyl** broken by .ltoreq.3 O; R2 = IV (R3 = H, Me; R4-7 = Me, Et; R8 = H, C1-8 alkyl, C3-8 alkenyl, C2-4 hydroxyalkyl, aralkyl) and their salts are prep'd. and are useful at 0.01-5 wt.% as stabilizers for org. materials (e.g., polyolefins and lacquers). 2,5-Dimethylfuran-3-carboxylic acid 2,2,6,6-tetramethyl-4-piperidinyl ester (15 g) in 150 mL MeOH was reduced in the presence of 3 g Raney Ni at 150.degree./160 bar to const. pressure (.apprx.5 h), the catalyst was filtered off, and the mixt. concd. Gas chromatog. anal. showed 2 isomeric products (12:88 ratio), and distn. in vacuo gave 12 g colorless oil (V) b. 120-126/0.5 mbar. Polypropylene contg. 0.25 phr V extruded twice at 220.degree., pressed to 200-.mu.m sheets, and stored 14 days in the dark at 25.degree. showed no surface coating. Aging of 2 sheets for 1 yr gave CO nos. of 3.33 and 5.73 and clear plates, compared with 7.22 and 11.0 and haze for a control contg. 0.25 phr Chimassorb 944 instead of V.

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
 AN 1980:532380 CAPLUS
 DN 93:132380
 TI N-Aryl-N-(4-piperidinyl)arylacetamides
 IN Hermans, Hubert K. F.; Sanczuk, Stefan
 PA Janssen Pharmaceutica N. V., Belg.
 SO U.S., 24 pp. Division of U. S. 4,126,689.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4197303	A	19800408	US 1978-924530	19780713
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				US 1976-700351	19760628
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			US 1976-713756	19760812
BE 846473	A2	19770323	US 1977-795669	19770511
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			US 1975-615131	19750923
			US 1977-795669	19770511
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DK 153474	B	19880718		
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PATENT FAMILY INFORMATION:

FAN 1977:453094

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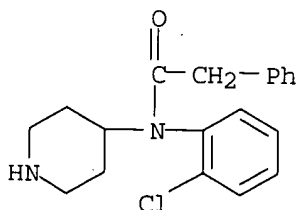
IT 63258-70-8P 63258-75-3P 63258-78-6P

63258-86-6P 63258-92-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antiarrhythmic activity of)

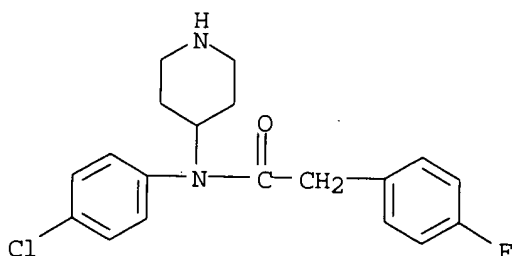
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CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



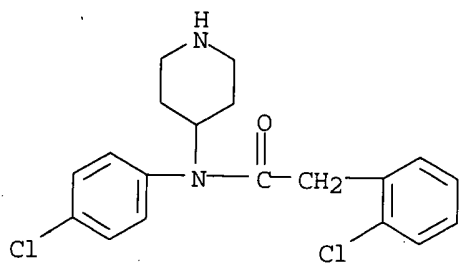
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CN Benzeneacetamide, N-(4-chlorophenyl)-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)

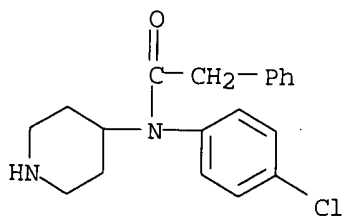


RN 63258-78-6 CAPLUS

CN Benzeneacetamide, 2-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

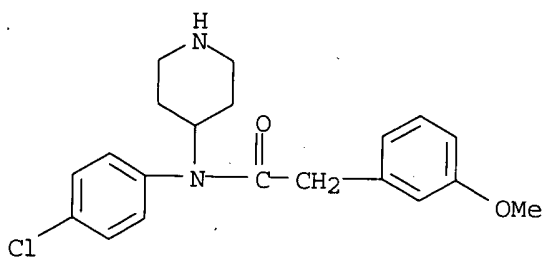


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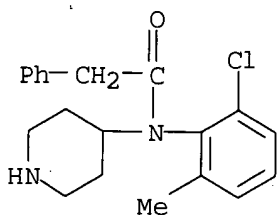
● HCl

RN 63258-92-4 CAPLUS
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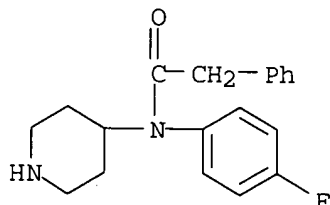
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 63258-82-2P 63258-84-4P 63258-87-7P
 63258-90-2P 63258-91-3P 63260-75-3P
 63260-76-4P 74555-85-4P 74555-86-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (prepn. and N-alkylation of)
 RN 63258-71-9 CAPLUS

CN Benzeneacetamide, N-(2-chloro-6-methylphenyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)



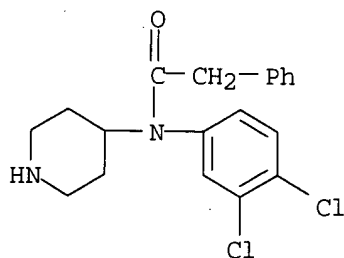
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CN Benzeneacetamide, N-(4-fluorophenyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)



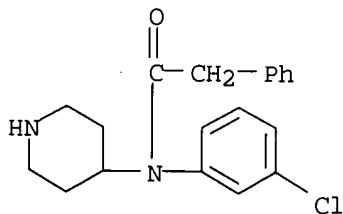
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CN Benzeneacetamide, N-(3,4-dichlorophenyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)



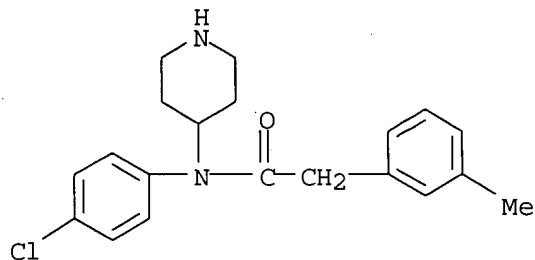
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CN Benzeneacetamide, N-(3-chlorophenyl)-N-4-piperidiny- (9CI) (CA INDEX NAME)



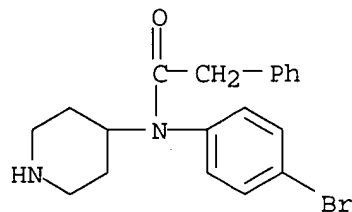
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CN Benzeneacetamide, N-(4-chlorophenyl)-3-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



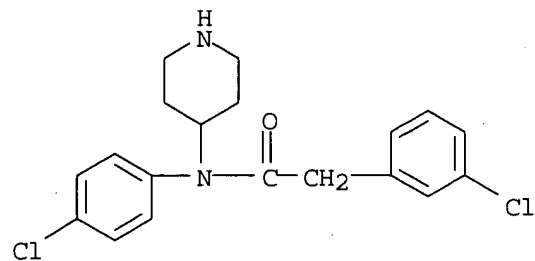
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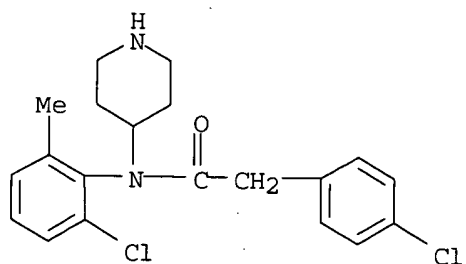
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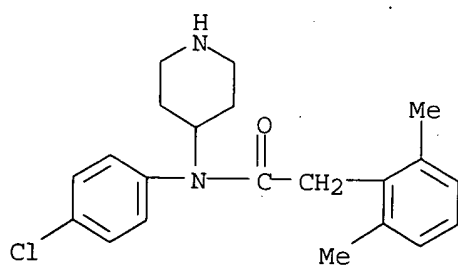


RN 63258-80-0 CAPLUS

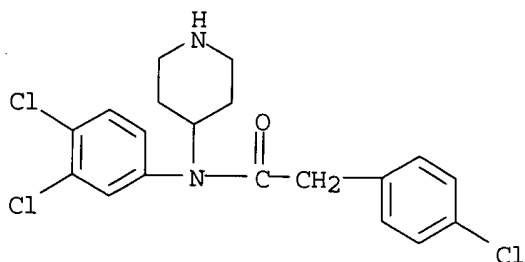
CN Benzeneacetamide, 4-chloro-N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



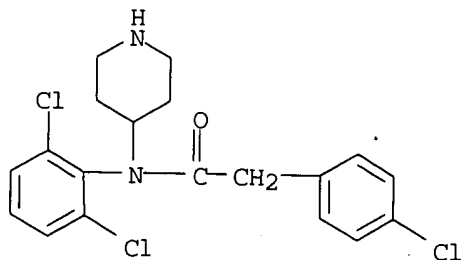
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(CA INDEX NAME)

RN 63258-82-2 CAPLUS

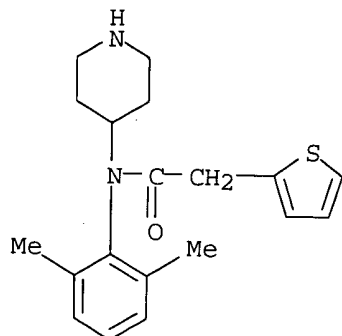
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(CA INDEX NAME)

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(CA INDEX NAME)

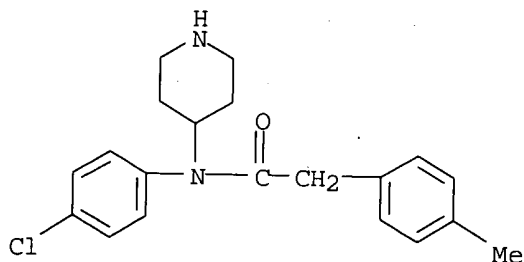
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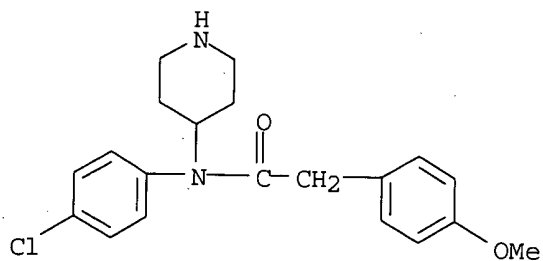
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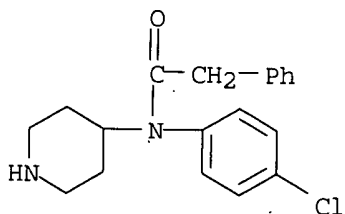
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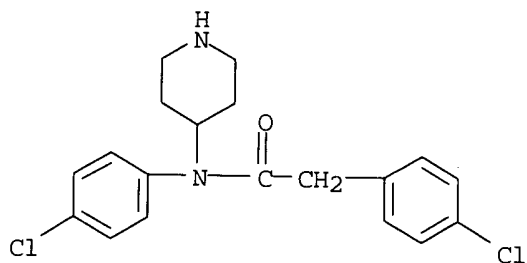
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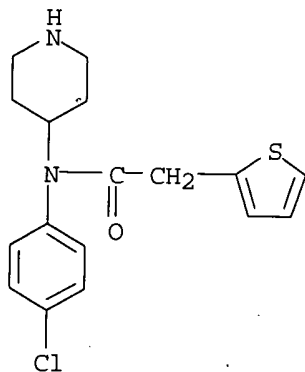
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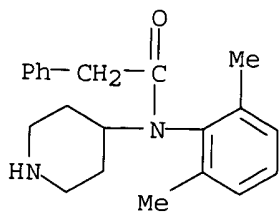
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CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 74555-86-5 CAPLUS

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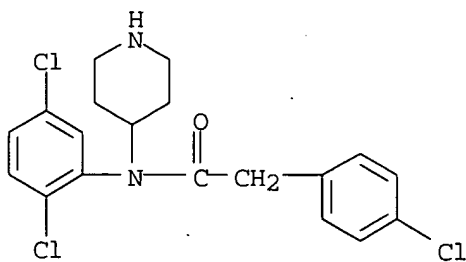


IT 63258-83-3P 63258-85-5P 63258-88-8P
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(prepn. of)

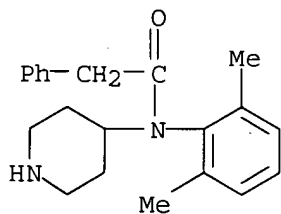
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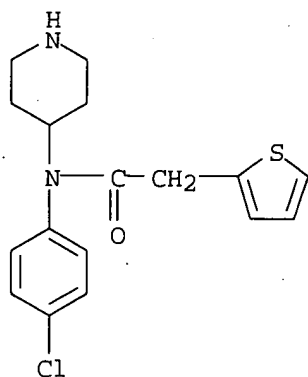
CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
monohydrobromide (9CI) (CA INDEX NAME)



● HBr

RN 63258-88-8 CAPLUS

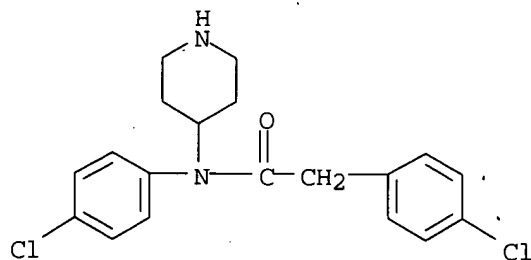
CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 63258-89-9 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



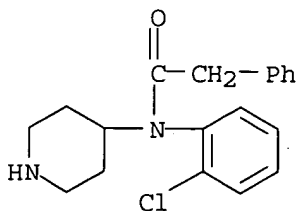
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IT 63258-70-8 74555-75-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(N-alkylation of)

RN 63258-70-8 CAPLUS

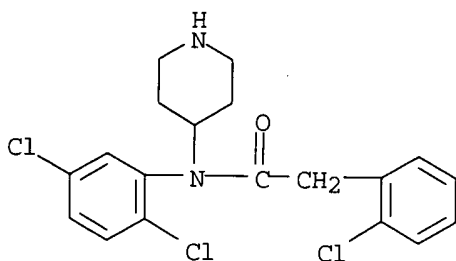
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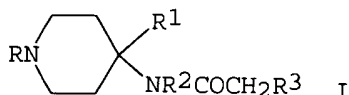
RN 74555-75-2 CAPLUS

CN Benzeneacetamide, 2-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)

(CA INDEX NAME)



GI



AB **Piperidines I** (R = **cycloalkyl**; R1 = **alkoxycarbonyl**; R2 = Ph, halophenyl, alkylphenyl; R3 = Ph, halo-, alkyl-, hydroxy-, or alkoxyphenyl), which exhibited antiarrhythmic activity, were prepd. For example, I (R = R1 = H, R2 = 4-ClC6H4, R3 = 2-thienyl) was treated with Me2CHBr to give I (R = CHMe2, R1 = H, R2 = 4-ClC6H4, R3 = 2-thienyl). Reaction of Me 1-isopropyl-4-anilino-4-piperidinecarboxylate with 4-ClC6H4CH2COCl give I (R = CHMe2, R1 = CO2Me, R2 = Ph, R3 = 4-ClC6H4).

=> d 110 fbib hitstr abs total

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 1995:648089 CAPLUS

DN 123:55707

TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers

IN Minafuji, Mitsumasa; Seko, Tosha; Sasaki, Satoru

PA Mitsubishi Kagaku Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07033738	A2	19950203	JP 1993-181691	19930722
				JP 1993-181691	19930722

OS MARPAT 123:55707

IT **164343-22-0P 164343-24-2P**

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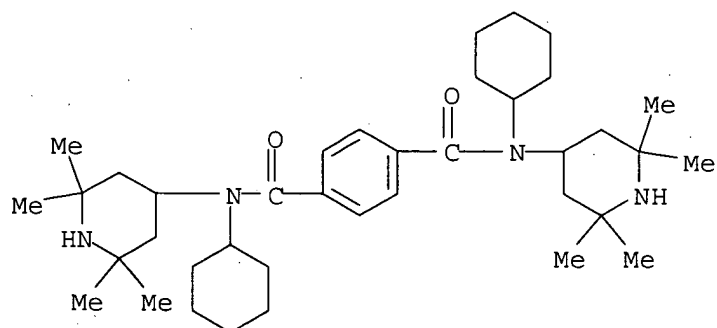
(intermediate for prepn. of hindered bis(piperidinylaminocarbonyl)benzene derivs. as photostabilizers)

RN 164343-22-0 CAPLUS

Patel

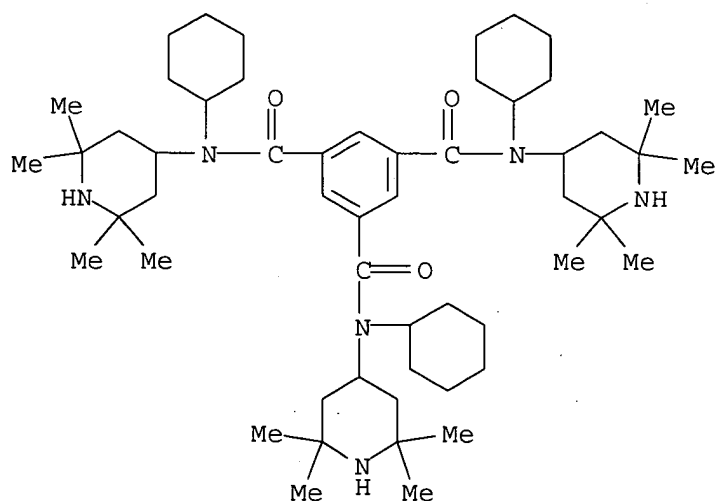
<6/13/2003>

CN 1,4-Benzenedicarboxamide, N,N'-dicyclohexyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidiny)- (9CI) (CA INDEX NAME)

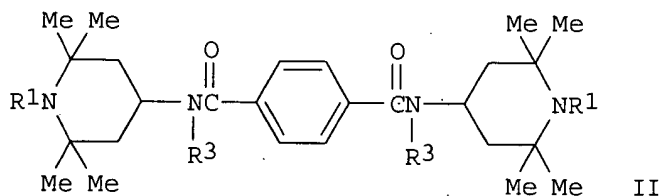
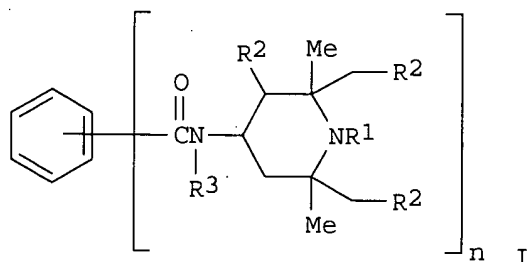


RN 164343-24-2 CAPLUS

CN 1,3,5-Benzenetricarboxamide, N,N',N''-tricyclohexyl-N,N',N''-tris(2,2,6,6-tetramethyl-4-piperidiny)- (9CI) (CA INDEX NAME)



GI



AB The title compds. (I; R1 = C1-4 alkyl; R2 = H, Me; R3 = C1-20 alkyl, cycloalkyl, aryl, **arylalkyl**; n = 1-4), which are solid photostabilizers for easy handling, and show excellent radical-scavenging capability and compatibility with resins, are prepd. Thus, 8.5 g terephthaloyl chloride was added to a stirred mixt. of 19.1 g 4-cyclohexylamino-2,2,6,6-tetramethylpiperidine, 16.2 g Et3N, and 300 mL 1,4-dioxane followed by stirring the mixt. at room temp. for 8 h to give a precursor (II; R1 = H, R3 = cyclohexyl), which was methylated by 37% formaldehyde and formic acid in dioxane to give a title compd. II (R1 = Me, R3 = cyclohexyl) (70% overall yield) (III). An isotactic polypropylene sheet contg. 0.2 wt. part/100 wt. part polypropylene showed photodegrdn. after irradiating it with a 65/XW-WR xenon weather meter at 80.degree. for 680 h vs. 460 h for a polypropylene sheet contg. I (R1 = R3 = H).

=> d l11 fbib hitstr abs total

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2001:676749 CAPLUS

DN 135:242140.

TI Preparation of N-piperidiny-N-alkyl-acetamides and N,N,N'-substituted ureas as 5-HT2A inverse agonists/antagonists

IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.

PA Acadia Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 150 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001066521	A1	20010913	WO 2001-US7187	20010306
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,				

Patel

<6/13/2003>

AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002004513 A1 20020110 US 2000-187289PP 20000306
 US 2001-800096 20010306

EP 1263729 A1 20021211 US 2000-187289PP 20000306
 EP 2001-914716 20010306

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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US 2000-187289PP 20000306

WO 2001-US7187 W 20010306

OS MARPAT 135:242140

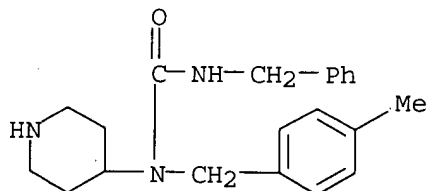
IT 359877-51-3P 359877-74-0P 359877-77-3P
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 359877-96-6P 359878-01-6P 359878-02-7P
 359878-03-8P 359878-04-9P 359878-05-0P
 359878-06-1P 359878-07-2P 359878-08-3P
 359878-09-4P 359878-14-1P 359878-31-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug; prepn. of N-piperidinyl-N-alkyl-aryl-acetamides and N,N,N'-substituted ureas as 5-HT_{2A} inverse agonists)

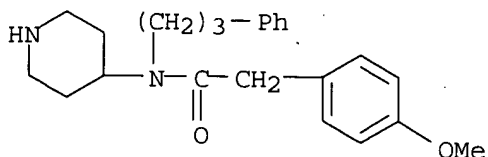
RN 359877-51-3 CAPLUS

CN Urea, N-[(4-methylphenyl)methyl]-N'-(phenylmethyl)-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



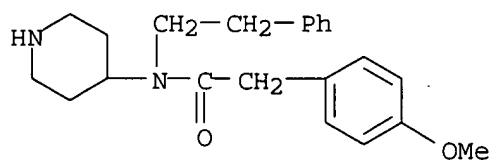
RN 359877-74-0 CAPLUS

CN Benzeneacetamide, 4-methoxy-N-(3-phenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

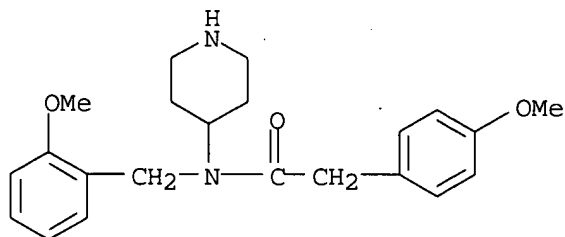


RN 359877-77-3 CAPLUS

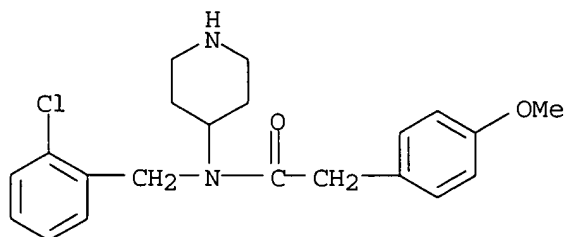
CN Benzeneacetamide, 4-methoxy-N-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 359877-79-5 CAPLUS

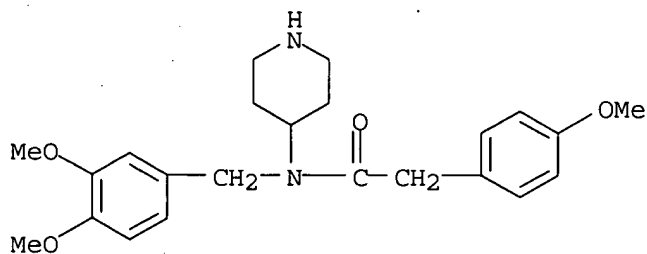
CN Benzeneacetamide, 4-methoxy-N-[(2-methoxyphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359877-82-0 CAPLUS

CN Benzeneacetamide, N-[(2-chlorophenyl)methyl]-4-methoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

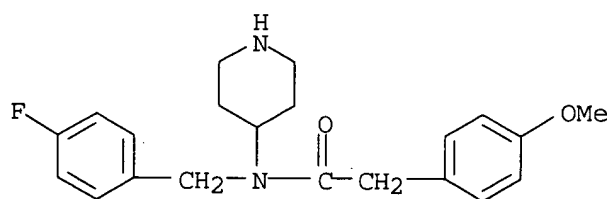
RN 359877-85-3 CAPLUS

CN Benzeneacetamide, N-[(3,4-dimethoxyphenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

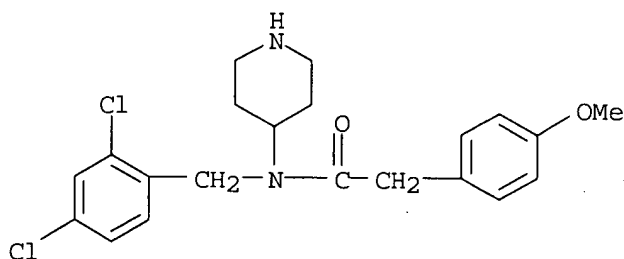


RN 359877-88-6 CAPLUS

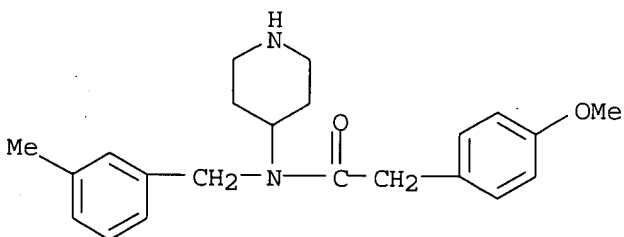
CN Benzeneacetamide, N-[(4-fluorophenyl)methyl]-4-methoxy-N-4-piperidinyl-
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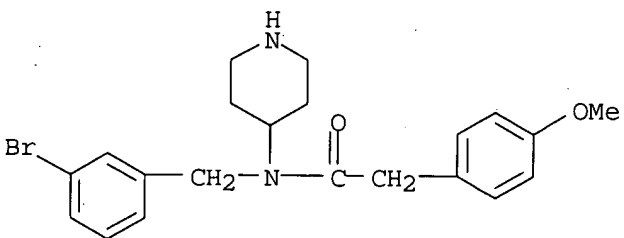
RN 359877-90-0 CAPLUS

CN Benzeneacetamide, N-[(2,4-dichlorophenyl)methyl]-4-methoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359877-93-3 CAPLUS

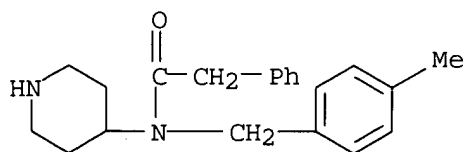
CN Benzeneacetamide, 4-methoxy-N-[(3-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359877-96-6 CAPLUS

CN Benzeneacetamide, N-[(3-bromophenyl)methyl]-4-methoxy-N-4-piperidinyl-
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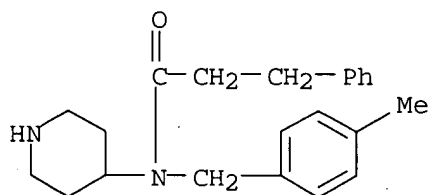
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CN Benzeneacetamide, N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA
INDEX NAME)



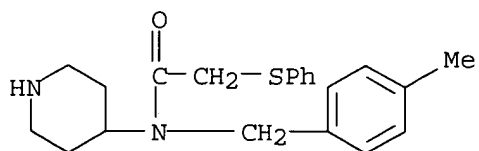
RN 359878-02-7 CAPLUS

CN Benzenepropanamide, N-[(4-methylphenyl)methyl]-N-4-piperidinyloxy (9CI) (CA INDEX NAME)



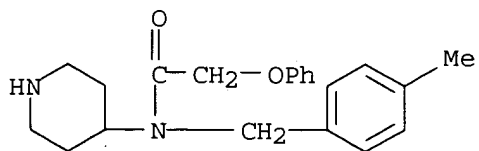
RN 359878-03-8 CAPLUS

CN Acetamide, N-[(4-methylphenyl)methyl]-2-(phenylthio)-N-4-piperidinyloxy (9CI) (CA INDEX NAME)



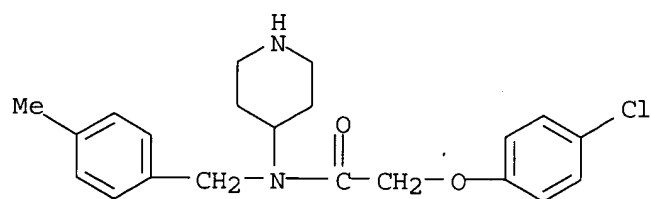
RN 359878-04-9 CAPLUS

CN Acetamide, N-[(4-methylphenyl)methyl]-2-phenoxy-N-4-piperidinyloxy (9CI) (CA INDEX NAME)



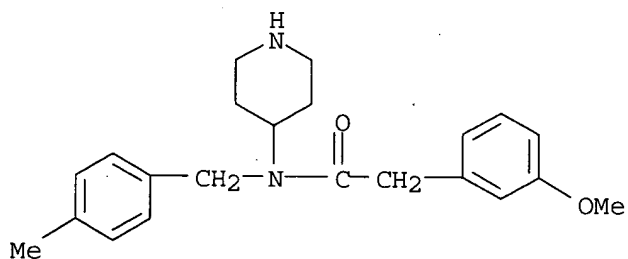
RN 359878-05-0 CAPLUS

CN Acetamide, 2-(4-chlorophenoxy)-N-[(4-methylphenyl)methyl]-N-4-piperidinyloxy (9CI) (CA INDEX NAME)



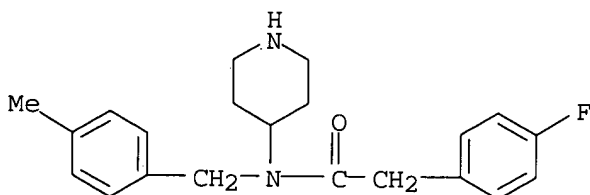
RN 359878-06-1 CAPLUS

CN Benzeneacetamide, 3-methoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



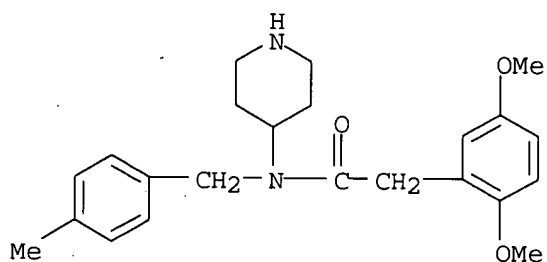
RN 359878-07-2 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



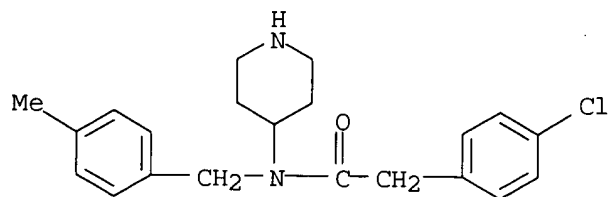
RN 359878-08-3 CAPLUS

CN Benzeneacetamide, 2,5-dimethoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

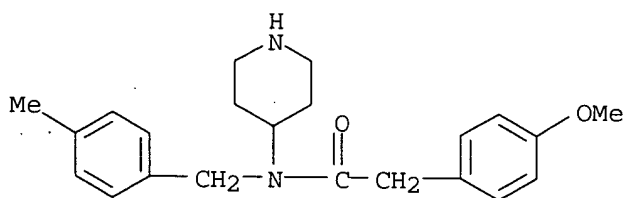


RN 359878-09-4 CAPLUS

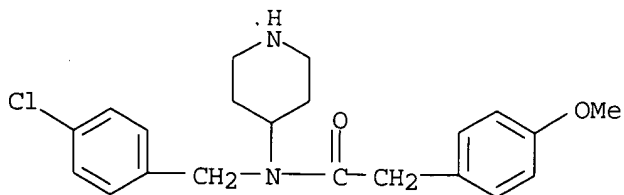
CN Benzeneacetamide, 4-chloro-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



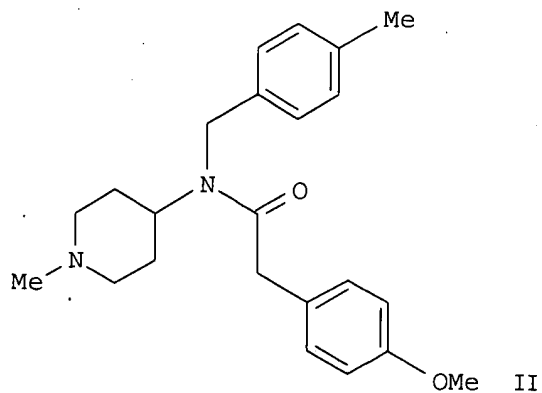
RN 359878-14-1 CAPLUS

CN Benzeneacetamide, 4-methoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359878-31-2 CAPLUS

CN Benzeneacetamide, N-[(4-chlorophenyl)methyl]-4-methoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

GI



AB. Title compds. Ar1-Y2-Y1-N(Z)-C:W-X1-X2-Ar2 [Z = NR-substituted piperidiny1, tropany1, azetidiny1, etc.; R = H, cyclic/straight-chain acyclic organyl group, hydroxyalkyl, **aminoalkyl**, aralkyl or heteroaralkyl group; X1 = CH2, vinylene, NH or N-alkyl; X2 = CH2, or, when X1 = CH2 or vinylene, X2 = CH2 or a bond; or when X1 is CH2, X2 = O, S, NH, N(lower alkyl) or a bond; Y1 = CH2 and Y2 = CH2, vinylene, ethylene, propylene, bond; or Y1 = bond and Y2 = vinylene; or Y1 = ethylene and Y2 = O, S, NH, N(lower alkyl); Ar1 and Ar2 = (un)substituted (hetero)aryl provided that Ar1 and Ar2 are not simultaneously phenyl; W = O, S; I] were prepd. Examples include over 130 compds. synthesized, 5 serotonin receptor binding assays and 3 in-vivo models. For instance, 4-methylbenzylamine was reductively alkylated with 1-methyl-4-piperidone (MeOH, HOAc, NaCNBH3, 20 h., room temp.). The resulting amine was alkylated with 4-methoxyphenylacetyl chloride (DCM, 4 h., room temp.) to give II, isolated as the hydrochloride salt and subsequently purified by chromatog. Many of the examples had pIC50 (-log IC50) = 7.8 - 9.0 for HT2A. I are used for the treatment of disease in which modification of serotonergic receptor activity has a beneficial effect.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2002:813938 CAPLUS

DN 137:337907

TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions

IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang, Alan Xi; Zhu, Liusheng; Marcus, Andrew P.

PA Tularik Inc., USA

SO PCT Int. Appl., 205 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002083143	A1	20021024	WO 2001-US47850	20011211
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AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2000-255241PP	20001211
			US 2001-296499PP	20010606
US 2002169159	A1	20021114	US 2001-15532	20011211
			US 2000-255241PP	20001211
			US 2001-296499PP	20010606
US 2003069234	A1	20030410	US 2002-164690	20020606
			US 2001-296499PP	20010606

US 2003055054

A1

20030320

US 2002-231895 20020829

US 2000-255241PP 20001211

US 2001-296499PP 20010606

US 2001-15532 A120011211

OS MARPAT 137:337907

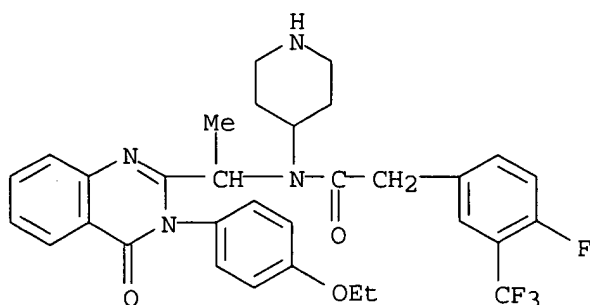
IT **473907-65-2P**, T 0913409

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

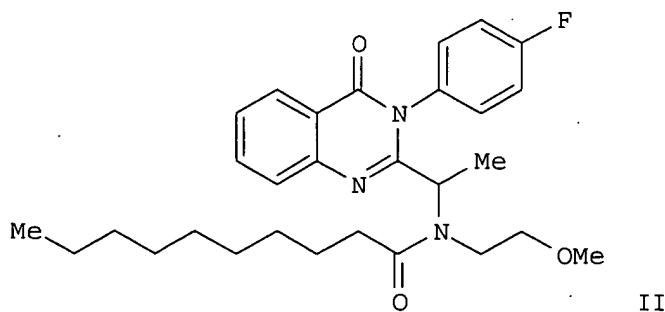
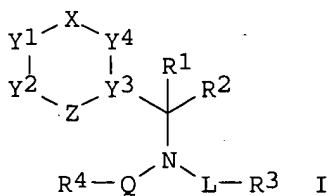
(CXCR3 antagonist; prepn. of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions)

RN 473907-65-2 CAPLUS

CN Benzeneacetamide, N-[1-[3-(4-ethoxyphenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]ethyl]-4-fluoro-N-4-piperidinyl-3-(trifluoromethyl)- (9CI)
(CA INDEX NAME)



GI



II

AB Title compds. I [wherein X = a bond, CO, CR5R6, CR5;, SO, SO2, or N: ; Z =

a bond, N:, O, S, NR17, or CR7: ; with the proviso that X and Z are not both a bond; L = CO-alkylene or (hetero)alkylene; Q = (hetero)alkylene, CO, OCO, NR8CO, CH2CO, CH2SO, or CH2SO2; or NLQ = heterocyclyl; R1 and R2 = independently H, (hetero)alkyl, or (hetero)aryl; or CR1R2 = (hetero)cyclyl; or CNR2L = heterocyclyl; R3 = OH, alkoxy, NH2, (di)alkylamino, **heteroalkyl**, heterocyclyl, acylaminoamidino, guanidino, ureido, CN, heteroaryl, carbamoyl, or carboxy; R4 = (hetero)alkyl, (hetero)aryl, etc.; R5 and R6 = independently H, (hetero)alkyl, or (hetero)aryl; or CR5R6 = a ring; R7 and R8 = independently H, (hetero)alkyl, or (hetero)aryl; Y1 and Y2 = independently CR12: N:, O, S, or NR13; Y3 = N or C, wherein C shares a double bond with either Z or Y4; Y4 = NR14, CR14:, N:, NR14CR15R16; R12 = H, halo, OH, NH2, (di)alkylamino, (hetero)alkyl, or (hetero)aryl, with provisos; R13 = H, (hetero)alkyl, (hetero)aryl, etc.; R14 = (hetero)alkyl, (hetero)aryl, etc.; R15 and R16 = independently H or (hetero)alkyl; R17 = H, (hetero)alkyl, (hetero)aryl, etc.; with provisos] were prepd. as chemokine receptor modulators, in particular CXCR3 antagonists. For example, anthranilic acid was acylated with propionyl chloride and the amide cyclized using acetic anhydride to give 2-ethylbenzo[d][1,3]oxazine-4-one. Treatment with 4-fluoroaniline, followed by ethylene glycol and NaOH afforded 2-ethyl-3-(4-fluorophenyl)-3H-quinazolin-4-one. Bromination and stepwise addn. of 1-amino-2-methoxyethane and decanoyl chloride produced the decanoic acid (quinazolinylethyl) (methoxyethyl)amide II. Approx. one third of the 101 invention compds. tested in a CXCR3 binding assay displayed activity with IC50 values of < 1 .mu.M. I are useful for the treatment of inflammatory and immunoregulatory disorders and diseases, such as multiple sclerosis, rheumatoid arthritis, and type I diabetes (no data).

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d cost

COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
CONNECT CHARGES	5.78	6.27
NETWORK CHARGES	1.02	1.14
SEARCH CHARGES	24.60	172.35
DISPLAY CHARGES	259.63	259.63
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	291.03	439.39

CAPLUS FEE (5%)

14.50 14.50

FULL ESTIMATED COST

305.53 453.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-29.30 -29.30

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